



TI INDUSTRY GUIDE

TECHNICAL INSULATION
APRIL 2024



PAROC[®]

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(WR) = water-repellent version available without surcharge (article numbers refer to non-WR version)

**Quick access: Click on the desired product or content page to immediately navigate to it.
Clicking on 'Table of Contents' will direct you back to the index page.
Hyperlinks will take you to relevant additional pages or research sources.**

*Please note that product names may vary in some areas

QUESTION

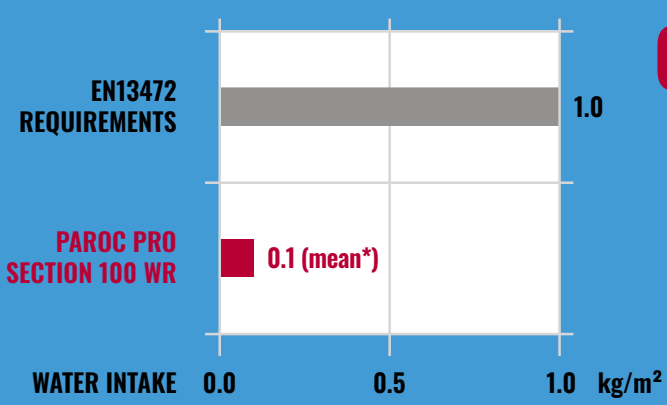
Q : HOW COST EFFICIENT IS TECHNICAL INSULATION?

ANSWER

A : **VERY.**

AVERAGE PAYBACK PERIOD: **2** YEARS

Source: EIF. Image: Chris Briggs / Unsplash



OUTSTANDING WATER ABSORPTION PROPERTIES FOR STONE WOOL INSULATION²

10 TIMES BETTER THAT THE REQUIREMENTS OF THE TOUGHEST KNOWN STANDARD AVAILABLE (EN13472)*, EVEN AFTER BEING EXPOSED TO TEMPERATURES UP TO 300 °C*

* average water absorption level <0,1 kg/m² after 300 °C/24h prebake; based on 3rd party testing in 2019 and internal testing in 2023 and 2024

Industrial Pipeworks		Tanks			Industrial Boilers			Recommended products	Nominal density kg/m ³	Max service temperatur (C and Fahrenheit)				
Process pipelines	High temperature pipelines	Super-heated steam pipelines	Pipe elbows	Tank roofs	Tank walls	Pressure vessels	Flue ducts				Boiler walls	Boiler penthouses	Equipment and filters	Industrial chimneys

Pipe sections

<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>	PAROC Pro Section WR 100 (AluCoat)	100	640°C 1184°F
<input type="checkbox"/>									<input type="checkbox"/>	PAROC Pro Section 100 (AluCoat)	100	640°C 1184°F
<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>	PAROC Pro Section WR 140 (AluCoat)	140	680°C 1256°F
<input type="checkbox"/>									<input type="checkbox"/>	PAROC Pro Section 140 (AluCoat)	140	680°C 1256°F
<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>	PAROC Pro Section WR DL 100 (AluCoat)	100	640°C 1184°F
<input type="checkbox"/>									<input type="checkbox"/>	PAROC Pro Section DL 100 (AluCoat)	100	640°C 1184°F
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								PAROC Pro Section WR DL 140 (AluCoat)	140	680°C 1256°F
	<input type="checkbox"/>	<input type="checkbox"/>								PAROC Pro Section DL 140 (AluCoat)	140	680°C 1256°F
	<input type="checkbox"/>	<input type="checkbox"/>								PAROC Pro Section 140 Clad	140	680°C 1256°F
<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>	PAROC Pro Lock WR 100	100	640°C 1184°F
<input type="checkbox"/>									<input type="checkbox"/>	PAROC Pro Lock 100	100	640°C 1184°F
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							<input checked="" type="checkbox"/>	PAROC Pro Lock WR 140	140	680°C 1256°F
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							<input type="checkbox"/>	PAROC Pro Lock 140	140	680°C 1256°F

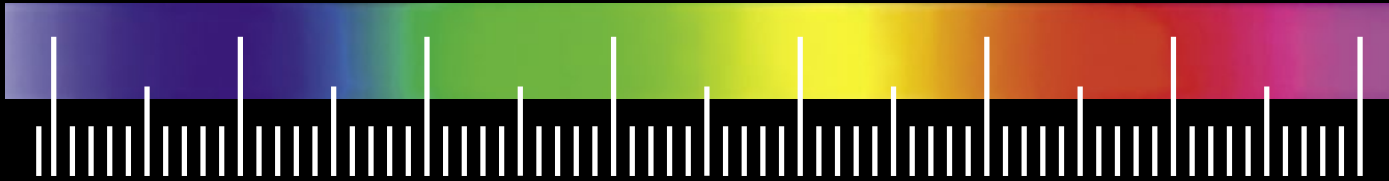
Segmens, Curves, Bends

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		<input checked="" type="checkbox"/>								PAROC Pro Curve WR 140 (AluCoat)	140	680°C 1256°F
		<input type="checkbox"/>								PAROC Pro Curve 140 (AluCoat)	140	680°C 1256°F
		<input checked="" type="checkbox"/>								PAROC Pro Curve 140 Clad WR	140	680°C 1256°F
		<input checked="" type="checkbox"/>								PAROC Pro Segment WR 100 (AluCoat)	100	640°C 1184°F
		<input type="checkbox"/>								PAROC Pro Segment 100 (AluCoat)	100	640°C 1184°F
		<input checked="" type="checkbox"/>								PAROC Pro Segment WR 140 (AluCoat)	140	680°C 1256°F
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		<input checked="" type="checkbox"/>								PAROC Pro Segment WR DL 140 (AluCoat)	140	680°C 1256°F
		<input type="checkbox"/>								PAROC Pro Segment DL 140 (AluCoat)	140	680°C 1256°F
		<input checked="" type="checkbox"/>								PAROC Pro Segment 140 Clad	140	680°C 1256°F
		<input checked="" type="checkbox"/>								PAROC Pro Bend WR 100 (AluCoat)	100	640°C 1184°F
		<input type="checkbox"/>								PAROC Pro Bend 100 (AluCoat)	100	640°C 1184°F
		<input checked="" type="checkbox"/>								PAROC Pro Bend WR 140 (AluCoat)	140	680°C 1256°F
		<input type="checkbox"/>								PAROC Pro Bend 140 (AluCoat)	140	680°C 1256°F
		<input checked="" type="checkbox"/>								PAROC Pro Bend 140 Clad	140	680°C 1256°F

WATER-REPELLENT
STANDARD PRODUCTS
ALU FACING
ALUMINIUM FACING
ALUMINIUM FACING + WATER-REPELLENT



0° 100° 200° 300° 400° 500° 600° 700°



★★		★★★	
	*		★★
★★		★★★	
	*		★★★
	*		★★★
	*		★★★
	★★		★★★
	★★		★★★
★★		★★★	★★

★★		★★★	
	*		★★
★★		★★★	
	*		★★
	*		★★★
	*		★★★
	★★		★★★
	★★		★★★
★★		★★★	★★
	*		★★
		★★★	
		★★★	

★ POSSIBLE
 ★★ RECOMMENDED
 ★★★ OPTIMAL

Question or packaging and/or dimensions?
 Download our guides on paroc.com



Industrial Pipeworks		Tanks		Industrial Boilers						Recommended products	Nominal density kg/m ³	Max service temperatur (C and Fahrenheit)					
Process pipelines	High temperature pipelines	Super-heated steam pipelines	Pipe elbows	Tank roofs	Tank walls	Pressure vessels	Flue ducts	Boiler walls	Boiler penthouses				Equipment and filters	Industrial chimneys	Industrial special constructions	District heating lines	Columns
Slabs																	
															PAROC Pro Slab WR 350	40	350°C 662°F
															PAROC Pro Slab 350 AluCoat	40	350°C 662°F
															PAROC Pro Slab (WR) 350 AluCoat	40	350°C 662°F
															PAROC Pro Slab WR 450	60	450°C 842 °F
															PAROC Pro Slab 450 AluCoat	60	450°C 842 °F
															PAROC Pro Slab (WR) 450 AluCoat	60	450°C 842 °F
															PAROC Pro Slab WR 640	80	640°C 1184°F
															PAROC Pro Slab 640 AluCoat	80	640°C 1184°F
															PAROC Pro Slab (WR) 640 AluCoat	80	640°C 1184°F
															PAROC Pro Slab WR 660	100	660°C 1220°F
															PAROC Pro Slab 660 AluCoat	100	660°C 1220°F
															PAROC Pro Slab (WR) 660 AluCoat	100	660°C 1220°F
															PAROC Pro Slab WR 680	120	680°C 1256°F
															PAROC Pro Slab 680 AluCoat	120	680°C 1256°F
															PAROC Pro Slab (WR) 680 AluCoat	120	680°C 1256°F
															PAROC Pro Slab WR 700	150	700°C 1292°F
															PAROC Pro Slab 700 AluCoat	150	700°C 1292°F
															PAROC Pro Slab (WR) 700 AluCoat	150	700°C 1292°F
Lamella Mats																	
															PAROC Pro Lamella Mat AluCoat	50	500°C 932°F
															PAROC Pro Lamella Mat 80 AluCoat	80	500°C 932°F

WATER-REPELLENT
STANDARD PRODUCTS
AL1 FACING
ALUMINIUM FACING
ALUMINIUM FACING + WATER-REPELLENT



Industrial Pipeworks		Tanks			Industrial Boilers			Recommended products										Nominal density kg/m ³	Max service temperatur (C and Fahrenheit)
Process pipelines	High temperature pipelines	Super-heated steam pipelines	Pipe elbows	Tank roofs	Tank walls	Pressure vessels	Flue ducts	Boiler walls	Boiler penthouses	Equipment and filters	Industrial chimneys	Industrial special constructions	District heating lines	Columns					

Wired Mats

																PAROC Pro Wired Mat WR 550	70	600°C 1112°F
																PAROC Pro Wired Mat 550 AL1	70	600°C 1112°F
																PAROC Pro Wired Mat 660	80	660°C 1220°F
																PAROC Pro Wired Mat WR 660 (AluCoat)	80	660°C 1220°F
																PAROC Pro Wired Mat 660 AL1	80	660°C 1220°F
																PAROC Pro Wired Mat 680	100	680°C 1256°F
																PAROC Pro Wired Mat WR 680 (AluCoat)	100	680°C 1256°F
																PAROC Pro Wired Mat 680 AL1	100	680°C 1256°F
															PAROC Pro Wired Mat WR 700 TH1	130	700°C 1292°F	
															PAROC Pro Wired Mat (WR)700 AluCoat TH1	130	700°C 1292°F	
															PAROC Pro Wired Mat (WR) 700 AL1 TH1	130	700°C 1292°F	

Mats

																PAROC Pro Mat 350	50	350°C 662°F
															PAROC Pro Mat 350 AluCoat	50	350°C 662°F	
																PAROC Pro Mat 640	80	640°C 1184°F
																PAROC Pro Mat 640 AluCoat	80	640°C 1184°F
																PAROC Pro Mat 660	100	660°C 1220°F
																PAROC Pro Mat 660 AluCoat	100	660°C 1220°F
																PAROC Pro Loose Mat WR 600	70	600°C 1112°F
																PAROC Pro Loose Mat WR 660	100	660°C 1220°F

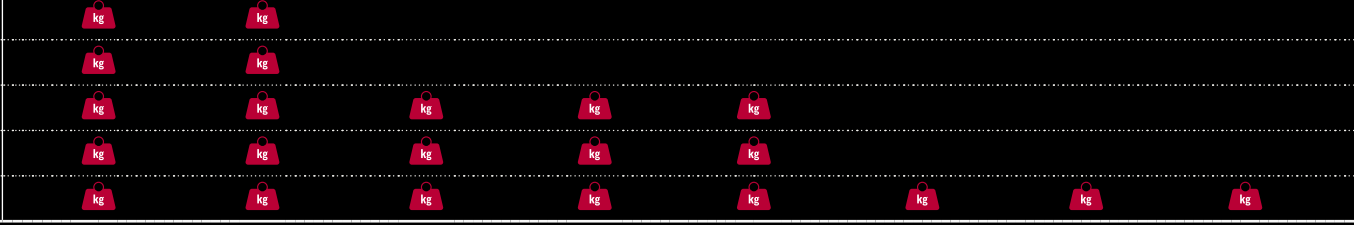
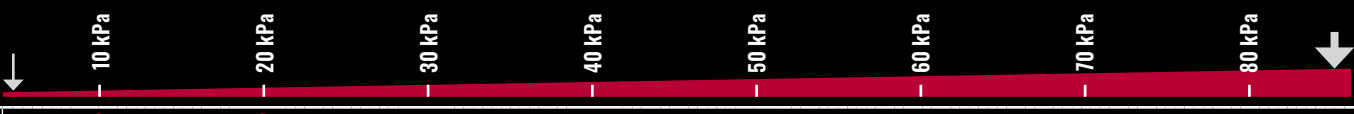
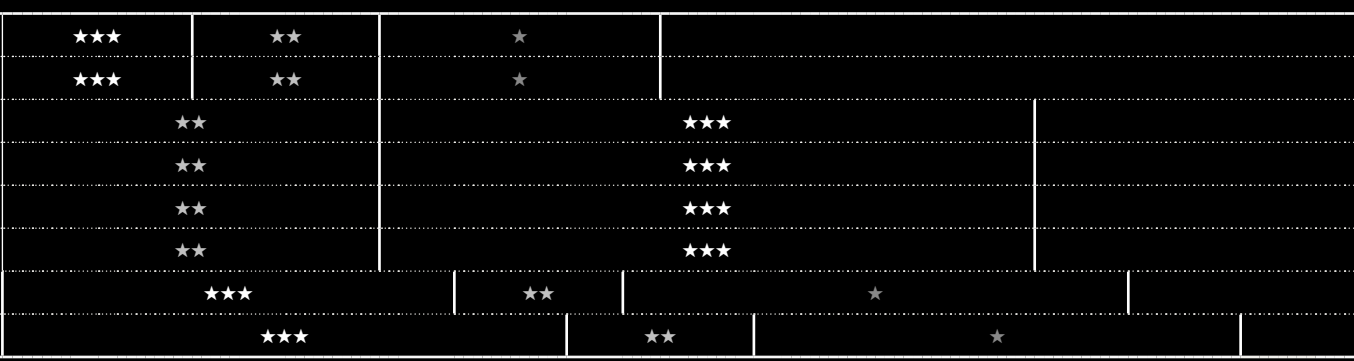
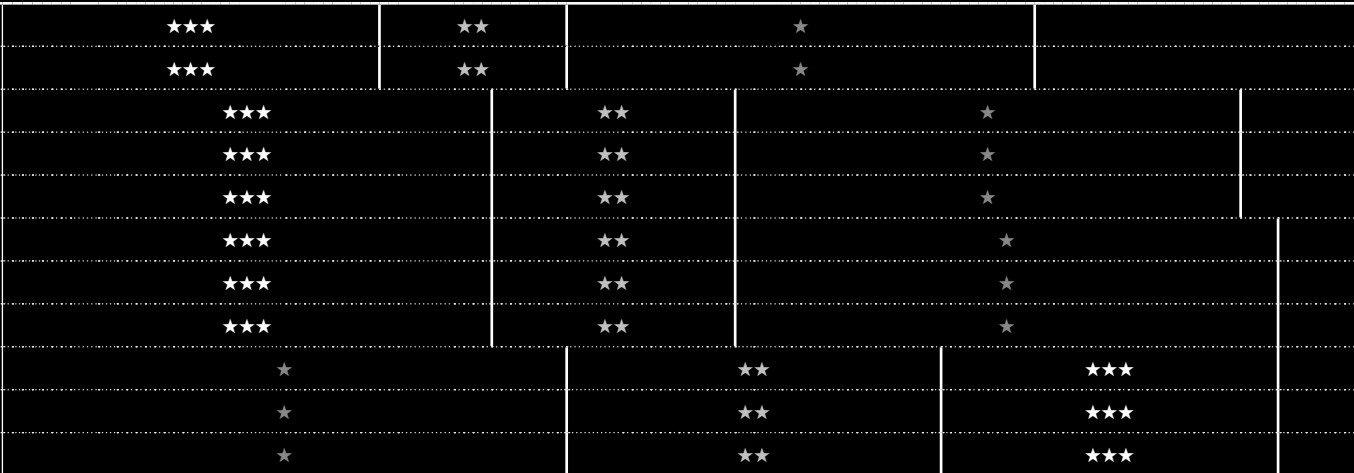
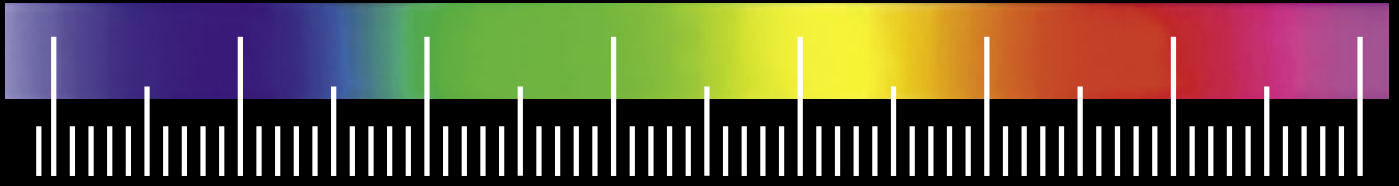
Roof Slabs

																PAROC Pro Roof Slab 20 kPa	90	640°C 1184°F
																PAROC Pro Roof Slab WR 20 kPa	90	640°C 1184°F
																PAROC Pro Roof Slab 50 kPa	150	700°C 1292°F
																PAROC Pro Roof Slab WR 50 kPa	150	700°C 1292°F
																PAROC Pro Roof Slab WR 80 kPa	150	660°C 1220°F

WATER-REPELLENT
STANDARD PRODUCTS
AL1 FACING
ALUMINIUM FACING
ALUMINIUM FACING + WATER-REPELLENT



0° 100° 200° 300° 400° 500° 600° 700°



★ POSSIBLE
★★ RECOMMENDED
★★★ OPTIMAL

Question or packaging and/or dimensions?
Download our guides on paroc.com



PAROC PRODUCTS FOR INDUSTRIAL APPLICATIONS



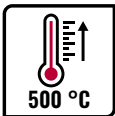
EXPLANATION OF SYMBOLS

TECHNICAL SPECIFICATIONS

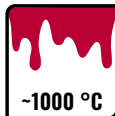
Nominal density



Maximum service temperature



Melting point

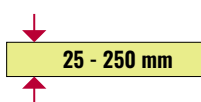


Non-combustible

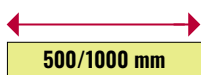


DIMENSIONS

Thickness



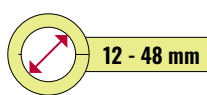
Width



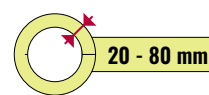
Length



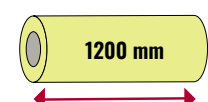
Inner diameter



Insulation thickness



Section length



ADDITIONAL INFORMATION

Data sheet

Accessories

Installation video

Packing details

Dimension Guide

Installation manual

Water-repellent version available without surcharge

(WR)

PIPE SECTIONS

PAROC PRO SECTION WR 100

PAROC PRO SECTION 100

PAROC PRO SECTION WR 100 ALUOCOAT

PAROC PRO SECTION 100 ALUOCOAT

Concentric, dimensionally accurate stone wool pipe sections,
in one or two segments, slotted on one side

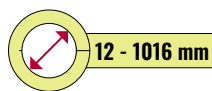
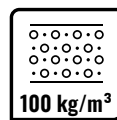
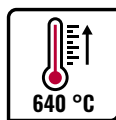
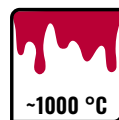


APPLICATION

- Pipelines for industrial and power plants, district heating and exhaust pipes, technical systems, chimneys

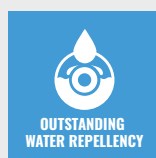
TECHNICAL SPECIFICATIONS

- Water absorption <math>< 0,1 \text{ kg/m}^2</math> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) $\leq 1 \text{ kg/m}^2$ for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.03.50.10
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T8 / T9-ST (+) 640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300
$\lambda_{N,P}$	W/mK	0.039	0.045	0.054	0.064	0.077	0.092



PIPE SECTIONS

PAROC PRO SECTION WR 120

PAROC PRO SECTION 120

PAROC PRO SECTION WR 120 ALUCOAT

PAROC PRO SECTION 120 ALUCOAT

Concentric, dimensionally accurate stone wool pipe sections,
in one or two segments, slotted on one side

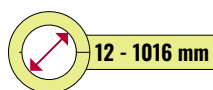
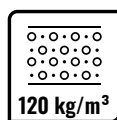
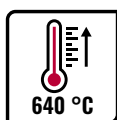
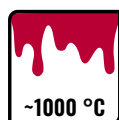


APPLICATION

- Pipelines for industrial and power plants, district heating and exhaust pipes, technical systems, chimneys

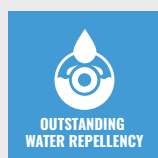
TECHNICAL SPECIFICATIONS

- Water absorption <math> < 0,1 \text{ kg/m}^2 </math> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) $\leq 1 \text{ kg/m}^2$ for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.04.60.12
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T8 / T9-ST (+) 640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.073	0.085	0.110



PIPE SECTIONS

PAROC PRO SECTION WR 140

PAROC PRO SECTION 140

PAROC PRO SECTION WR 140 ALUCOAT

PAROC PRO SECTION 140 ALUCOAT

PAROC Pro Section 140 is a non-combustible stonewool pipe section for industrial pipe lines

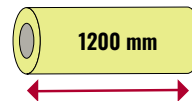
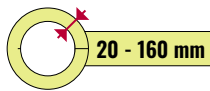
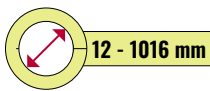
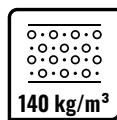
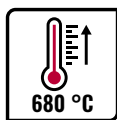
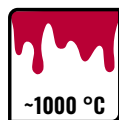


APPLICATION

- Pipework for Industry and power plants, district heating and exhaust lines

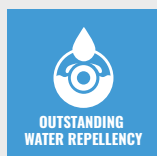
TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.04.80.14
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T8/T9-ST(+)-680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN ISO 8497


t	°C	50	100	150	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.073	0.085	0.110



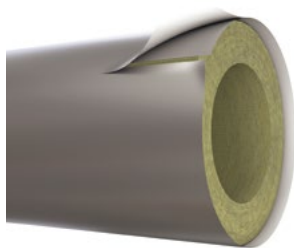
PIPE SECTIONS

PAROC PRO SECTION (WR) 140 CLAD T

Stonewool pipe section with a fibre reinforced aluminium coating



Accessories (page 48):
PAROC Clad Alu Tape
PAROC Clad Tape

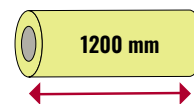
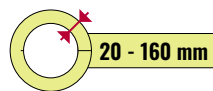
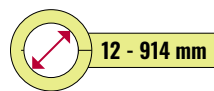
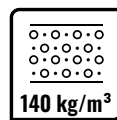
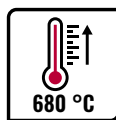
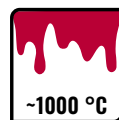


APPLICATION

- Thermal insulation of outdoor pipelines
- Due to a [weather-resistant](#) aluminium coating, outdoor installation without additional cladding systems; additionally the mineral wool is protected from mechanical loads, moisture as well as chemical [substances \(as named in declaration\)](#)

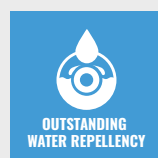
TECHNICAL SPECIFICATIONS

- Water-repellent according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- The surface temperature of the lamination must be limited to 80 °C
- AGI designation code: 10.04.04.80.14
- CE designation Code: MW-EN 14303-T8/T9-ST(+)-680-WS1-MV2-CL10
- PAROC Pro WR products are tested according to LABS conformity standard VDMA 24364
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)
- Resistant against hail impact



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	50	100	150	200	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.085	0.110



PIPE SECTIONS

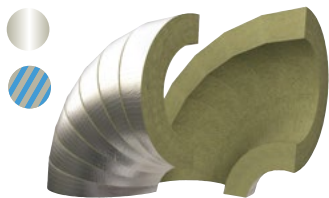
PAROC PRO CURVE WR 100

PAROC PRO CURVE 100

PAROC PRO CURVE WR 100 ALU COAT

PAROC PRO CURVE 100 ALU COAT

Prefabricated stone wool insulation element for pipe elbows where the risk of CUI (corrosion under insulation) is present

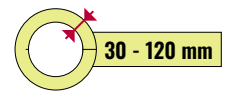
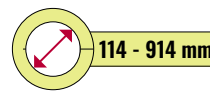
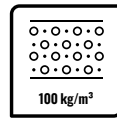
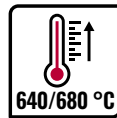
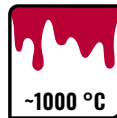


APPLICATION

- Insulation of pipe elbows

TECHNICAL SPECIFICATIONS

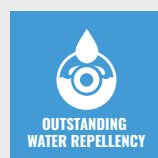
- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.08.03.50.10
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T8 / T9-ST (+) 640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



		Available dimensions PAROC Pro Curve (WR) 100												
mm		114'	140'	168'	219'	273'	324'	356'	406'	457'	508'	612'	762'	914'
Inner diameter of pipe	30	x	x	x	x	x	x	x	x	x	x			
	40	x	x	x	x	x	x	x	x	x	x	x		
	50	x	x	x	x	x	x	x	x	x	x	x	x	x
	60		x	x	x	x	x	x	x	x	x	x	x	x
	70		x	x	x	x	x	x	x	x	x	x	x	x
	80			x	x	x	x	x	x	x	x	x	x	x
	90			x	x	x	x	x	x	x	x	x	x	x
	100			x	x	x	x	x	x	x	x	x	x	x
	120			x			x							

Nominal value of the thermal conductivity λ according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300
$\lambda_{N,P}$	W/mK	0.039	0.045	0.054	0.064	0.077	0.092



Watch our video on energy efficiency with PAROC Pro Sections!



PIPE SECTIONS

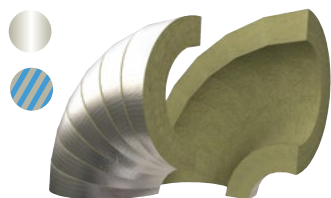
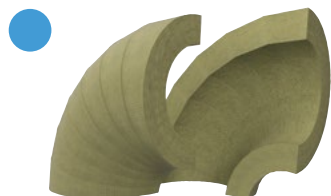
PAROC PRO CURVE WR 120

PAROC PRO CURVE 120

PAROC PRO CURVE WR 120 ALUcoat

PAROC PRO CURVE 120 ALUcoat

Prefabricated stone wool insulation element for pipe elbows where the risk of CUI (corrosion under insulation) is present

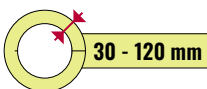
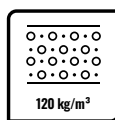
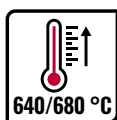
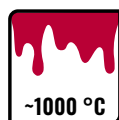


APPLICATION

- Insulation of pipe elbows

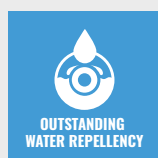
TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.08.04.40.12 (120)
- Quality monitored according to VDI 2055
- CE designation code:
MW-EN 14303-T8 / T9-ST (+) 640-WS1-CL10
MW-EN 14303-T8 / T9-ST (+) 680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.073	0.085	0.110



Watch our video
on energy efficiency with
PAROC Pro Sections!



PIPE SECTIONS

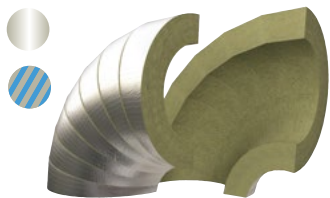
PAROC PRO CURVE WR 140

PAROC PRO CURVE 140

PAROC PRO CURVE WR 140 ALUCOAT

PAROC PRO CURVE 140 ALUCOAT

Prefabricated stone wool insulation element for pipe elbows where the risk of CUI (corrosion under insulation) is present

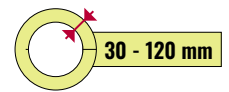
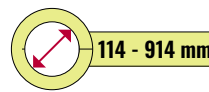
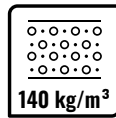
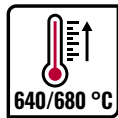
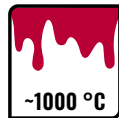


APPLICATION

- Insulation of pipe elbows

TECHNICAL SPECIFICATIONS

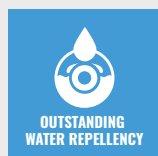
- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.08.04.80.14 (140)
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T8 / T9-ST (+) 680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



		Available dimensions PAROC Pro Curve (WR) 140												
mm		114'	140'	168'	219'	273'	324'	356'	406'	457'	508'	612'	762'	914'
Inner diameter of pipe	30	x	x	x	x	x	x	x	x	x	x			
	40	x	x	x	x	x	x	x	x	x	x	x		
	50	x	x	x	x	x	x	x	x	x	x	x	x	x
	60		x	x	x	x	x	x	x	x	x	x	x	x
	70		x	x	x	x	x	x	x	x	x	x	x	x
	80			x	x	x	x	x	x	x	x	x	x	x
	90			x	x	x	x	x	x	x	x	x	x	x
	100			x	x	x	x	x	x	x	x	x	x	x
120			x				x							

Nominal value of the thermal conductivity λ according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.073	0.085	0.110



Watch our video on energy efficiency with PAROC Pro Sections!



PIPE SECTIONS

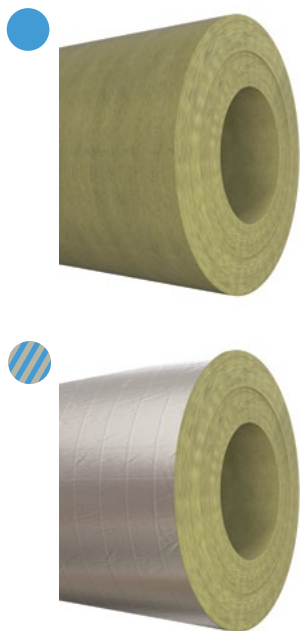
PAROC PRO SECTION WR DL 100

PAROC PRO SECTION DL 100

PAROC PRO SECTION WR DL 100 ALUCOAT

PAROC PRO SECTION DL 100 ALUCOAT

Stonewool pipe section in two layers for industrial pipelines

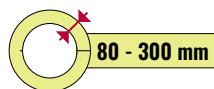
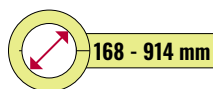
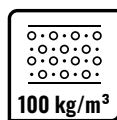
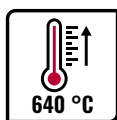
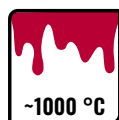


APPLICATION

- Thermal insulation of industrial pipework for higher insulation thicknesses or where there is required insulation in two layers

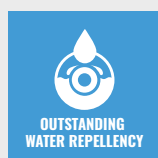
TECHNICAL SPECIFICATIONS

- Water absorption $0,1 \text{ kg/m}^2$ at temperatures up to $300 \text{ }^\circ\text{C}</math> for water-repellent version according to EN 13472$
- Water Absorption, Short Term WS, $(W_p) \leq 1 \text{ kg/m}^2</math> for non water-repellant version according to EN 13472$
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.08.03.50.10
- Reaction to Fire, Euroclass $A_1</math>$
- Chloride Ions, $\text{Cl}^- < 10 \text{ ppm}</math>$
- CE designation Code MW-EN 14303-T8/T9-ST(+)-640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed $80 \text{ }^\circ\text{C}</math> (temperature restriction determined in accordance with heat resistance adhesive)$



Nominal value of the thermal conductivity λ according to DIN EN ISO 8497

t	$^\circ\text{C}$	50	100	150	200	250	300
$\lambda_{N,P}$	W/mK	0.039	0.045	0.054	0.064	0.077	0.092



PIPE SECTIONS

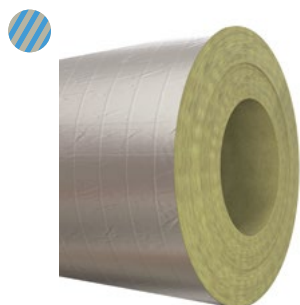
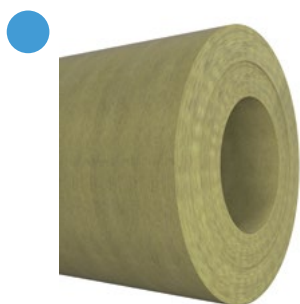
PAROC PRO SECTION WR DL 120

PAROC PRO SECTION DL 120

PAROC PRO SECTION WR DL 120 ALUCOAT

PAROC PRO SECTION DL 120 ALUCOAT

Stonewool pipe section in two layers for industrial pipelines

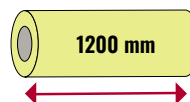
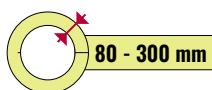
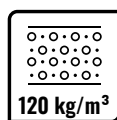
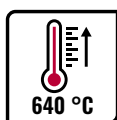
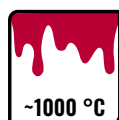


APPLICATION

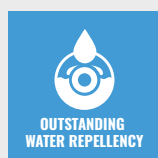
- Thermal insulation of industrial pipework for higher insulation thicknesses or where there is required insulation in two layers

TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 13472
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.04.60.12
- Reaction to Fire, Euroclass A₁_L
- Chloride Ions, Cl⁻ < 10 ppm
- CE designation Code MW-EN 14303-T8/T9-ST(+)-640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



t	°C	50	100	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.063	0.073	0.085	0.110



PIPE SECTIONS

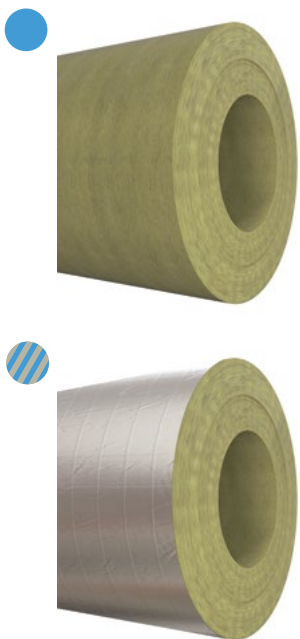
PAROC PRO SECTION WR DL 140

PAROC PRO SECTION DL 140

PAROC PRO SECTION WR DL 140 ALUCOAT

PAROC PRO SECTION DL 140 ALUCOAT

Stonewool pipe section in 2 layers for industrial pipe lines

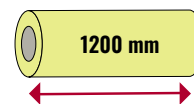
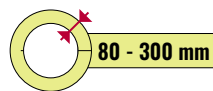
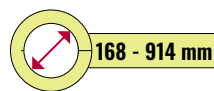
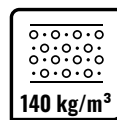
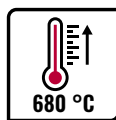
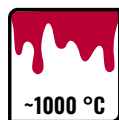


APPLICATION

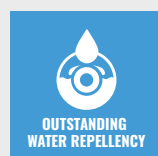
- Thermal insulation of industrial pipework for higher insulation thicknesses or where there is required insulation in two layers

TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 13472
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.04.80.14
- Reaction to Fire, Euroclass A₁
- Chloride Ions, Cl- < 10 ppm
- CE designation Code MW-EN 14303-T8/T9-ST(+)-680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



t	°C	50	100	200	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.063	0.085	0.110



PIPE SECTIONS

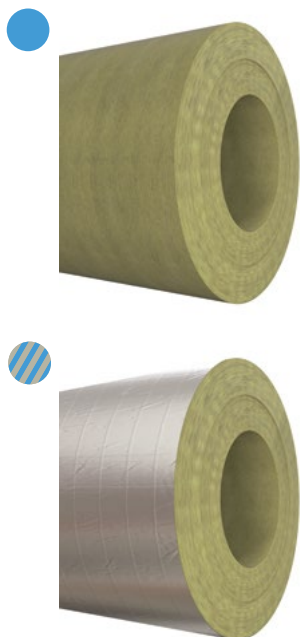
PAROC PRO SECTION WR DL1

PAROC PRO SECTION DL1

PAROC PRO SECTION WR DL1 ALUCOAT

PAROC PRO SECTION DL1 ALUCOAT

Stonewool pipe section in 2 layers for industrial pipe lines

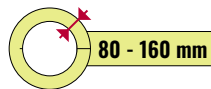
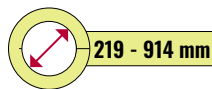
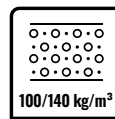
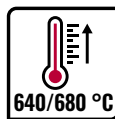
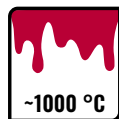


APPLICATION

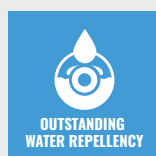
- Thermal insulation of industrial pipework for high insulation thicknesses or where there is required insulation in two layers

TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 13472
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.03.50.10 (100)
10.04.04.80.14 (140)
- Reaction to Fire, Euroclass A1_L
- Chloride Ions, Cl- < 10 ppm
- CE designation Code
PS140: MW-EN 14303-T8/T9-ST(+)-680-WS1-CL10;
PS100: MW-EN 14303-T8/T9-ST(+)-640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



t	°C	50		100		150		200		250		300		400	
		PS140	PS100	PS140	PS100	PS140	PS100	PS140	PS100	PS140	PS100	PS140	PS100	PS140	PS100
λ _{N,P}	W/mK	0.039	0.041	0.047	0.045	0.054	0.054	0.063	0.064	0.073	0.077	0.085	0.092	0.110	



PIPE SECTIONS

PAROC PRO LOCK WR 100

PAROC PRO LOCK 100

Stonewool pipe section with a z-joint on the longitudinal and circumferential seams

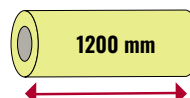
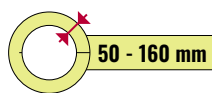
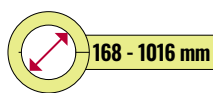
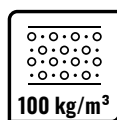
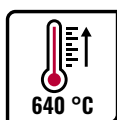
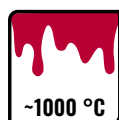


APPLICATION

- Pipework for Industry and power plants, district heating and exhaust lines

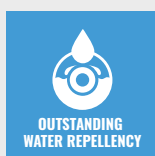
TECHNICAL SPECIFICATIONS

- Water absorption $0,1 \text{ kg/m}^2$ at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) $\leq 1 \text{ kg/m}^2$ for non water-repellant version according to EN 13472
- AS-quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.03.50.10
- Quality monitored according to VDI 2055
- CE-designation code: MW-EN 14303-T8/T9-ST(+)-640-WS1-CL10



Nominal value of the thermal conductivity λ according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300
$\lambda_{N,P}$	W/mK	0.039	0.045	0.054	0.064	0.077	0.092



PIPE SECTIONS

PAROC PRO LOCK WR 140 PAROC PRO LOCK 140

Stonewool pipe section with a z-joint on the longitudinal and circumferential seams

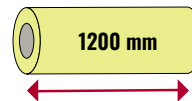
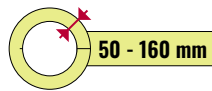
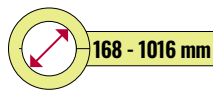
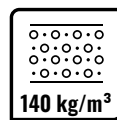
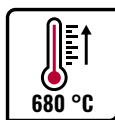
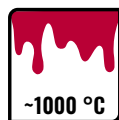


APPLICATION

- Thermal insulation of industrial pipework at high temperatures

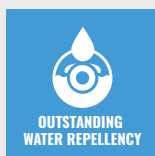
TECHNICAL SPECIFICATIONS

- Water absorption $0,1 \text{ kg/m}^2$ at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) $\leq 1 \text{ kg/m}^2$ for non water-repellant version according to EN 13472
- AS-quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.04.80.14
- Quality monitored according to VDI 2055
- CE-designation code: MW-EN 14303-T8/T9-ST(+)-680-WS1-CL10



Nominal value of the thermal conductivity λ according to DIN EN ISO 8497


t	°C	50	100	150	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.073	0.085	0.110



PIPE SECTIONS

PAROC PRO COMBI (WR) 140 CLAD T

Prefabricated insulation component made of stonewool with a fibre reinforced aluminium coating



Accessories (page 48):
 PAROC Clad Alu Dots
 PAROC Clad Dots
 PAROC Clad Tape
 PAROC Pro Roof Wedge (WR)

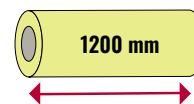
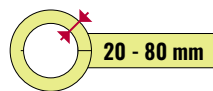
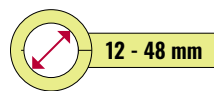
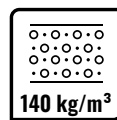
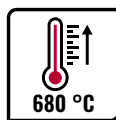
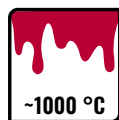


APPLICATION

- Thermal insulation of outdoor pipelines
- Due to a [weather-resistant](#) aluminium coating, outdoor installation without additional cladding systems; additionally the mineral wool is protected from mechanical loads, moisture as well as chemical [substances \(as named in declaration\)](#)

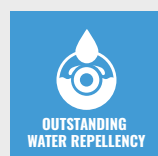
TECHNICAL SPECIFICATIONS

- Water-repellent according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- The surface temperature of the lamination must be limited to 80 °C
- AGI designation code: 10.04.04.80.14
- CE designation Code: MW-EN 14303-T8/T9-ST(+)-680-WS1-MV2-CL10
- PAROC Pro WR products are tested according to LABS conformity standard VDMA 24364
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance with adhesive)
- Resistant against hail impact



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	50	100	150	200	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.085	0.110



PIPE BENDS

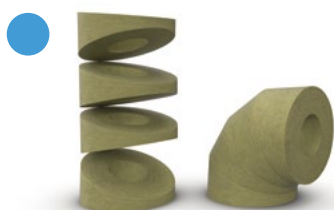
PAROC PRO BEND WR 100

PAROC PRO BEND 100

PAROC PRO BEND WR 100 ALUCLAD

PAROC PRO BEND 100 ALUCLAD

Prefabricated insulation component made of stonewool

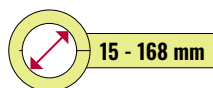
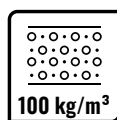
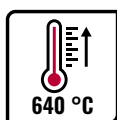
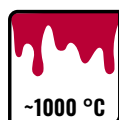


APPLICATION

- Thermal insulation of industrial pipework at high temperatures

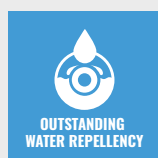
TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.08.03.50.10
- Reaction to Fire, Euroclass A₁
- Chloride Ions, Cl⁻ < 10 ppm
- CE designation Code MW-EN 14303-T8/T9-ST(+)-640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN ISO 8497


t	°C	50	100	150	200	250	300
$\lambda_{N,P}$	W/mK	0.039	0.045	0.054	0.064	0.077	0.092



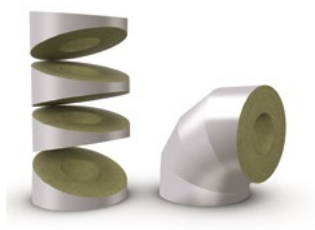
PIPE BENDS

PAROC PRO BEND (WR) 140 CLAD

Prefabricated insulation component made of stonewool with a fibre reinforced aluminium coating



Accessories (page 48):
PAROC Clad Alu Tape
PAROC Clad Tape

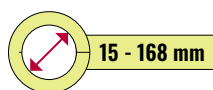
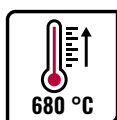
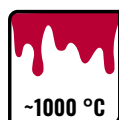


APPLICATION

- Thermal insulation of outdoor pipelines
- Due to a [weather-resistant](#) aluminium coating, outdoor installation without additional cladding systems; additionally the mineral wool is protected from mechanical loads, moisture as well as chemical [substances \(as named in declaration\)](#)

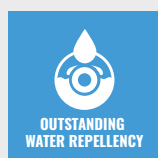
TECHNICAL SPECIFICATIONS

- Water-repellent according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- The surface temperature of the lamination must be limited to 80 °C
- AGI designation code: 10.04.04.80.14
- CE designation Code: MW-EN 14303-T8/T9-ST(+)-680-WS1-MV2-CL10
- PAROC Pro WR products are tested according to LABS conformity standard VDMA 24364
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN 12667

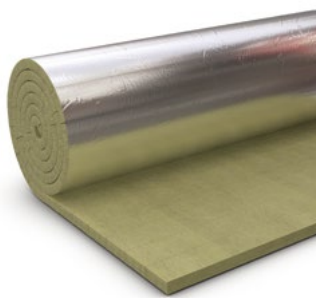
t	°C	50	100	150	200	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.085	0.110



LAMELLA MATS

PAROC PRO LAMELLA MAT ALUCOAT

Stonewool lamella mat laminated on one side with a grid-reinforced aluminum foil

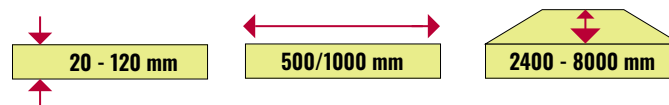
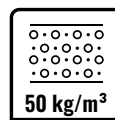
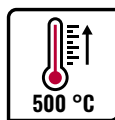
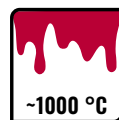


APPLICATION

- A high flexural and compressive strength allows a support structure-free laying of pipelines, tanks, boilers, in industrial and power plants, district heating lines

TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 250 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 1609
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.03.02.99.05
- Quality monitored according to VDI 2055
- Compressive strength > 10 kPa according to EN 826
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)
- CE designation code: MW-EN 14303-T4-ST (+) 500-WS1-MV2-CL10



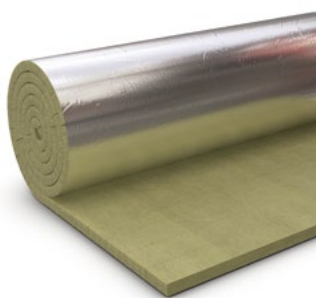
Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	10	50	100	150	200	300	400	500
$\lambda_{N,P}$	W/mK	0.039	0.045	0.055	0.066	0.082	0.125	0.175	0.235

LAMELLA MATS

PAROC PRO LAMELLA MAT 80 ALUCOAT

Non-combustible stone wool insulation for thermal and condensation insulation of ventilation ducts and equipment. It has a reinforced aluminium foil facing

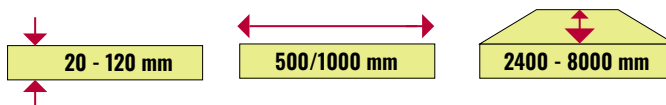
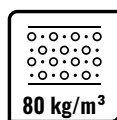
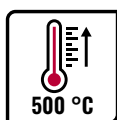
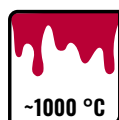


APPLICATION

- A high flexural and compressive strength allows a support structure-free laying of pipelines, tanks, boilers, in industrial and power plants, district heating lines

TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 250 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 1609
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.03.02.99.08
- Quality monitored according to VDI 2055
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)
- CE designation code: MW-EN 14303-T4-ST (+) 500-WS1-MV2-CL10



t	°C	10	50	100	200	300	400	500
$\lambda_{N,P}$	W/mK	0.042	0.047	0.055	0.074	0.100	0.132	0.179

LAMELLA MATS

PAROC PRO LAMELLA MAT CLAD

Stonewool lamella mat with a fibre reinforced aluminium coating



Accessories (page 48):
 PAROC Clad Alu Dots
 PAROC Clad Dots
 PAROC Clad Tape
 PAROC Pro Roof Wedge (WR)

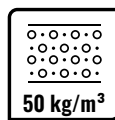
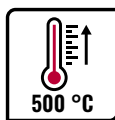
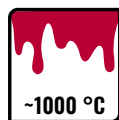


APPLICATION

- Outdoor insulation of ventilation ducts, pipelines and containers;
- The insulation system does not require any further cladding systems; additionally
- The mineral wool is protected from mechanical loads, moisture and chemical [substances \(as named in declaration\)](#)

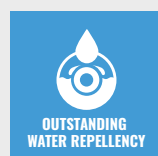
TECHNICAL SPECIFICATIONS

- Water-repellent according to EN 1609
- AS quality according to EN 13468 and AGI Q 132
- AGI designation code: 10.03.02.99.05
- Compressive strength > 10 kPa according to EN 826
- The surface temperature of the lamination must be limited to 80 °C
- CE designation Code: MW-EN 14303-T4-CS(10)10-ST(+500-WS1-MV2-CL10
- PAROC Pro WR products are tested according to LABS conformity standard VDMA 24364
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)
- Resistant against hail impact



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	10	50	100	150	200	300	400	500
$\lambda_{N,P}$	W/mK	0.039	0.045	0.055	0.066	0.082	0.125	0.175	0.235



WIRED MATS

PAROC PRO WIRED MAT WR 660

PAROC PRO WIRED MAT 660

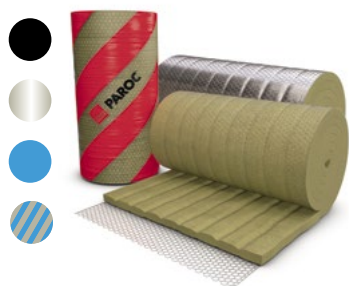
PAROC PRO WIRED MAT 660 ALUCOAT

PAROC PRO WIRED MAT WR 660 ALUCOAT

PAROC PRO WIRED MAT 660 AL1

PAROC PRO WIRED MAT WR 660 AL1

Stonewool mat with wire thread quilting on galvanized wire mesh

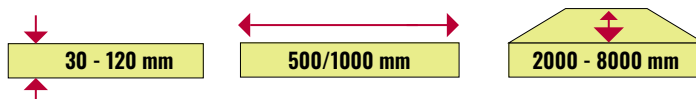
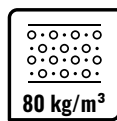
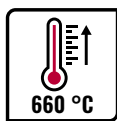
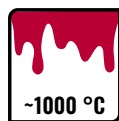


APPLICATION

- Pipelines, containers, boilers, apparatus, in industrial and power plants, district heating lines

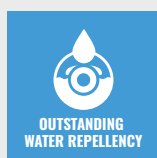
TECHNICAL SPECIFICATIONS

- Water absorption <math>< 0,1 \text{ kg/m}^2</math> at temperatures up to 250 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) $\leq 1 \text{ kg/m}^2$ for non water-repellant version according to EN 1609
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.01.02.50.08
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T2-ST (+) 660-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



t	°C	50	100	200	300	400	500	600	660
$\lambda_{N,P}$	W/mK	0.040	0.046	0.062	0.084	0.111	0.146	0.190	0.213

COMBINE WITH (WR) 100 AND (WR) 140 TO REDUCE HEAT LOSS AND THERMAL BRIDGES. CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL CLADDING.



*only available in certain markets

WIRED MATS

PAROC PRO WIRED MAT WR 680

PAROC PRO WIRED MAT 680

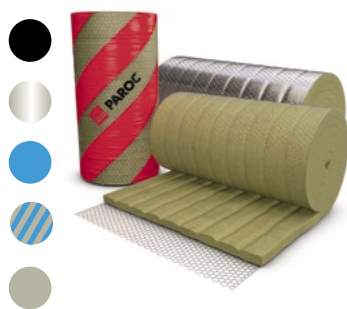
PAROC PRO WIRED MAT 680 ALUcoat

PAROC PRO WIRED MAT WR 680 ALUcoat

PAROC PRO WIRED MAT 680 AL1

PAROC PRO WIRED MAT WR 680 AL1

Stonewool mat with wire thread quilting on galvanized wire mesh

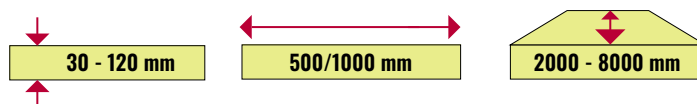
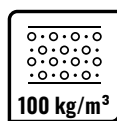
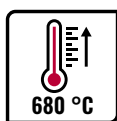
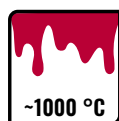


APPLICATION

- Pipelines, containers, boilers, apparatus, in industrial and power plants, district heating lines

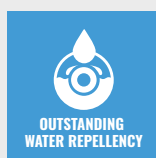
TECHNICAL SPECIFICATIONS

- Water absorption $0,1 \text{ kg/m}^2$ at temperatures up to $300 \text{ }^\circ\text{C}</math> for water-repellent version according to EN 1609 and EN 12087$
- Water Absorption, Short Term WS, (Wp) $\leq 1 \text{ kg/m}^2</math> for non water-repellant version according to EN 1609$
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.01.03.60.10
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T2-ST (+) 680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed $80 \text{ }^\circ\text{C}</math> (temperature restriction determined in accordance with heat resistance adhesive)$



t	$^\circ\text{C}$	50	100	150	200	250	300	400	500	600	680
$\lambda_{N,P}$	W/mK	0.039	0.045	0.051	0.059	0.068	0.078	0.102	0.131	0.167	0.196

**COMBINE WITH (WR) 100
AND (WR) 140 TO REDUCE HEAT LOSS BAND THERMAL BRIDGES.
CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL
CLADDING.**



**only available in certain markets*

WIRED MATS

PAROC PRO WIRED MAT WR 700 TH1

PAROC PRO WIRED MAT 700 TH1

PAROC PRO WIRED MAT 700 ALUCOAT TH1

PAROC PRO WIRED MAT WR 700 ALUCOAT TH1

PAROC PRO WIRED MAT 700 AL1 TH1

PAROC PRO WIRED MAT WR 700 AL1 TH1

Stonewool mat with wire thread quilting on galvanized wire mesh

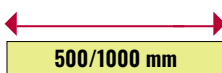
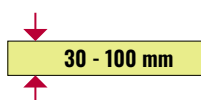
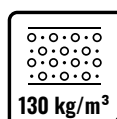
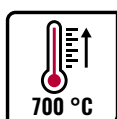
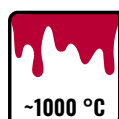


APPLICATION

- Pipelines, containers, boilers, apparatus, in industrial and power plants, district heating lines

TECHNICAL SPECIFICATIONS

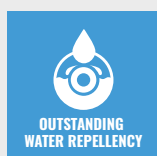
- Water absorption $0,1 \text{ kg/m}^2$ at temperatures up to $300 \text{ }^\circ\text{C}</math> for water-repellent version according to EN 1609 and EN 12087$
- Water Absorption, Short Term WS, $(W_p) \leq 1 \text{ kg/m}^2</math> for non water-repellant version according to EN 1609$
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.01.04.60.13
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T2-ST (+) 680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed $80 \text{ }^\circ\text{C}</math> (temperature restriction determined in accordance with heat resistance adhesive)$



t	°C	50	100	200	300	400	500	600	700
$\lambda_{N,P}$	W/mK	0.041	0.046	0.059	0.077	0.100	0.128	0.161	0.196

COMBINE WITH (WR) 100

**AND (WR) 140 TO REDUCE HEAT LOSS BAND THERMAL BRIDGES.
CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL
CLADDING.**



LOOKING FOR TEMPERATURE RESISTANCE?

W2 - stainless steel wire mesh and thread; **SW2** - galvanized wire mesh and stainless steel thread

PAROC Pro Wired Mat 550 W2 and PAROC Pro Wired Mat 550 SW2

PAROC Pro Wired Mat 660 W2 and PAROC Pro Wired Mat 660 SW2

PAROC Pro Wired Mat 680 W2 and PAROC Pro Wired Mat 680 SW2

PAROC Pro Wired Mat 700 W2 TH1 and PAROC Pro Wired Mat 700 SW2 TH1

SLABS

PAROC PRO ROOF SLAB WR 20 kPa

PAROC PRO ROOF SLAB 20 kPa

Non-combustible stonewool slab



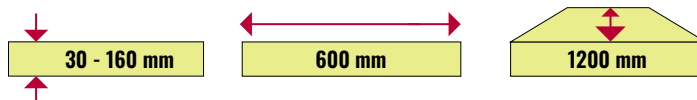
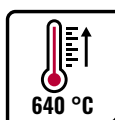
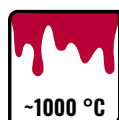
It is designed to withstand working loads during installation and maintenance (20 kPa)

APPLICATION

- Industrial tank roofs. It is designed to withstand working loads during installation and maintenance

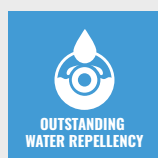
TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.07.04.99.09
- Compressive strength > 20 kPa according to EN 14303:2009+A1:2013 (EN 826)
- CE designation code: MW-EN 14303-T5-CS(10)20-ST(+)-640-WS1-CL10



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	50	100	200	300	400	500
$\lambda_{N,P}$	W/mK	0.039	0.045	0.062	0.084	0.112	0.144



SLABS

PAROC PRO ROOF SLAB WR 50 kPa

PAROC PRO ROOF SLAB 50 kPa

Non-combustible stonewool slab for industrial tank roofs.



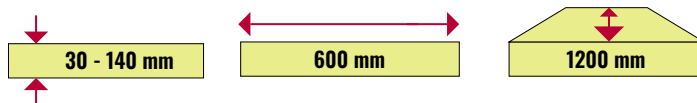
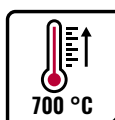
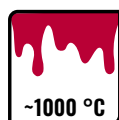
It is designed to withstand working loads during installation and maintenance (50 kPa)

APPLICATION

- For industrial tank roofs. It is designed to withstand working loads during installation and maintenance

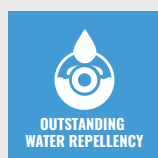
TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.07.05.90.15
- Compressive strength > 50 kPa according to EN 14303:2009+A1:2013 (EN 826)
- CE designation code: MW-EN 14303-T5-CS(10)50-ST(+)-700-WS1-CL10



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	50	100	200	300	400	500	600
$\lambda_{N,P}$	W/mK	0.041	0.046	0.059	0.077	0.099	0.128	0.162



SLABS

PAROC PRO ROOF SLAB 80 kPa*

Non-combustible stonewool slab for industrial tank roofs.



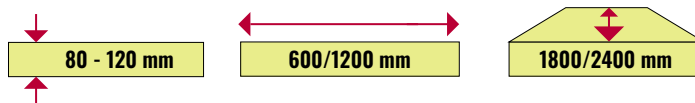
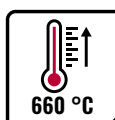
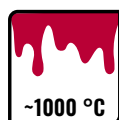
It is designed to withstand working loads during installation and maintenance (80 kPa)

APPLICATION

- For industrial tank roofs. It is designed to withstand working loads during installation and maintenance

TECHNICAL SPECIFICATIONS

- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.07.99.90.18
- Compressive strength > 80 kPa according to EN 14303:2009+A1:2013 (EN 826)
- CE designation code: MW-EN 14303-T5-CS(10)80-ST(+)-660-WS1-CL10



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	50	100	200	300	400	500	600
$\lambda_{N,P}$	W/mK	0.044	0.048	0.060	0.076	0.095	0.116	0.141

*only available in certain markets

SLABS

PAROC PRO SLAB WR 350

PAROC PRO SLAB 350

PAROC PRO SLAB 350 ALUCOAT

PAROC PRO SLAB WR 350 ALUCOAT

Non-combustible stonewool insulation slab

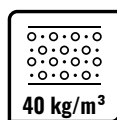
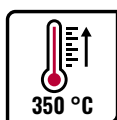
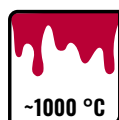


APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

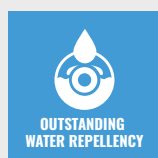
TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.99.20.04
- Quality monitored according to VDI 2055
- CE designation code:
MW-EN 14303-T3-ST (+) 350-WS1-CL
MW-EN 14303-T3-ST(+)-350-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	50	100	150	200	300	350
$\lambda_{N,P}$	W/mK	0.042	0.053	0.066	0.083	0.125	0.148



SLABS

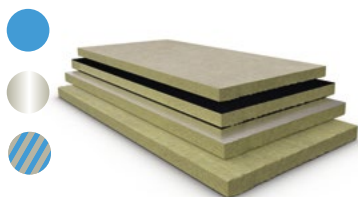
PAROC PRO SLAB WR 450

PAROC PRO SLAB 450

PAROC PRO SLAB 450 ALUCOAT

PAROC PRO SLAB WR 450 ALUCOAT

Non-combustible stonewool insulation slab

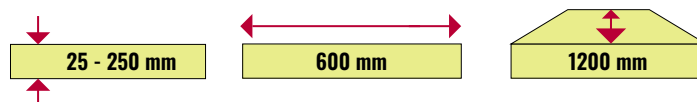
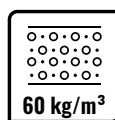
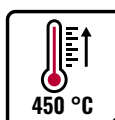
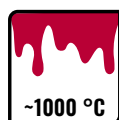


APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

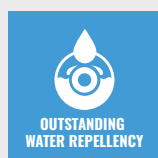
TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.01.30.06
- Quality monitored according to VDI 2055
- CE designation code:
MW-EN 14303-T3-ST (+) 450-WS1-CL 10
MW-EN 14303-T5-ST(+)-450-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	50	100	150	200	300	400	450
$\lambda_{N,P}$	W/mK	0.040	0.047	0.056	0.067	0.095	0.129	0.149



SLABS

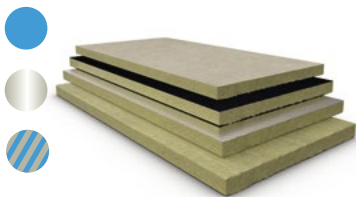
PAROC PRO SLAB WR 640

PAROC PRO SLAB 640

PAROC PRO SLAB 640 ALUcoat

PAROC PRO SLAB WR 640 ALUcoat

Non-combustible stonewool insulation slab

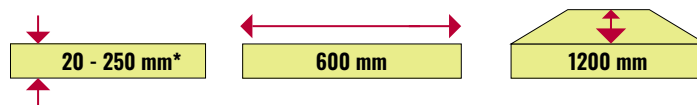
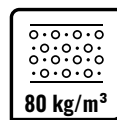
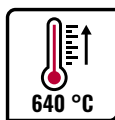
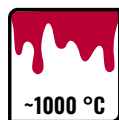


APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

TECHNICAL SPECIFICATIONS

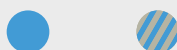
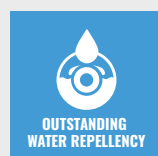
- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.02.30.08
- CE designation code:
MW-EN 14303-T3-ST (+) 640-WS1-CL 10
MW-EN 14303-T5-ST(+)+640-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	50	100	150	200	300	400	500	600	640
$\lambda_{N,P}$	W/mK	0.039	0.045	0.053	0.062	0.084	0.112	0.144	0.185	0.203

*25 - 250 mm for AluCoat version



SLABS

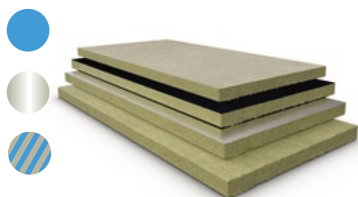
PAROC PRO SLAB WR 660

PAROC PRO SLAB 660

PAROC PRO SLAB 660 ALUCLAD

PAROC PRO SLAB WR 660 ALUCLAD

Non-combustible stonewool insulation slab

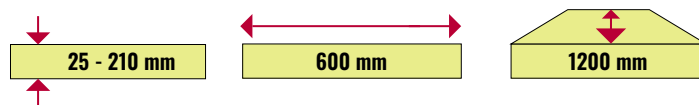
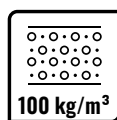
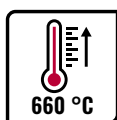
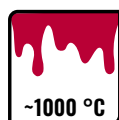


APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

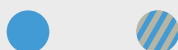
TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.02.40.10
- CE designation code:
MW-EN 14303-T2-ST (+) 660-WS1-CL 10
MW-EN 14303-T5-ST(+)+660-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	50	100	150	200	300	400	500	600	660
$\lambda_{N,P}$	W/mK	0.039	0.045	0.052	0.060	0.081	0.107	0.140	0.175	0.200



SLABS

PAROC PRO SLAB WR 680

PAROC PRO SLAB 680

PAROC PRO SLAB 680 ALUCOAT

PAROC PRO SLAB WR 680 ALUCOAT

Non-combustible stonewool insulation slab

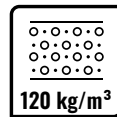
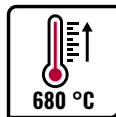
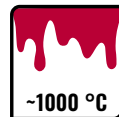


APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

TECHNICAL SPECIFICATIONS

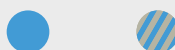
- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.03.70.12
- CE designation code:
MW-EN 14303-T2-ST (+) 680-WS1-CL 10
MW-EN 14303-T5-ST(+)-680-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	50	100	150	200	300	400	500	600	680
$\lambda_{N,P}$	W/mK	0.041	0.046	0.052	0.059	0.077	0.099	0.128	0.162	0.192

*25 - 170 mm for AluCoat version



SLABS

PAROC PRO SLAB WR 700

PAROC PRO SLAB 700

PAROC PRO SLAB 700 ALUCOAT

PAROC PRO SLAB WR 700 ALUCOAT

Non-combustible stonewool insulation slab

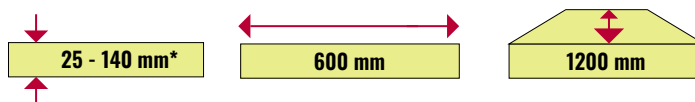
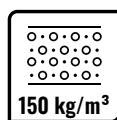
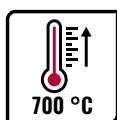
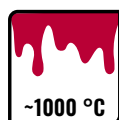


APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

TECHNICAL SPECIFICATIONS

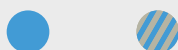
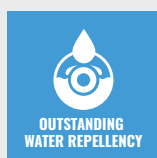
- Water absorption < 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.05.90.15
- CE designation code:
MW-EN 14303-T3-ST (+) 700-WS1-CL 10
MW-EN 14303-T5-ST(+)-700-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity λ according to DIN EN 12667

t	°C	50	100	150	200	300	400	500	600	700
$\lambda_{N,P}$	W/mK	0.041	0.046	0.052	0.059	0.077	0.099	0.128	0.162	0.200

*25 - 140 mm for AluCoat version



MATS

PAROC PRO MAT (WR) 350

PAROC PRO MAT (WR) 350 ALUCOAT

Non-combustible stone wool mat for industrial applications

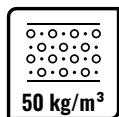
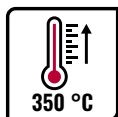
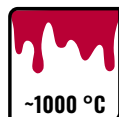


APPLICATION

- Thermal insulation of flat or irregularly shaped equipment where surface temperature is rather low

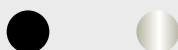
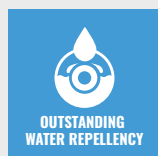
TECHNICAL SPECIFICATIONS

- Water absorption, short term $\leq 1 \text{ kg/m}^2$ according to EN 13472
- Surface temperature of the facing must not exceed $80 \text{ }^\circ\text{C}$
- AGI designation code: 10.06.99.99.50
- CE designation code:
MW-EN 14303-T2-ST(+)-350-WS1-CL10
MW-EN 14303-T2-ST(+)-350-WS1-MV2- CL10
- AluCoat version: Surface temperature of the facing must not exceed $80 \text{ }^\circ\text{C}$ (temperature restriction determined in accordance with heat resistance adhesive)



t	$^\circ\text{C}$	50	100	150	200	250	300	350
$\lambda_{N,P}$	W/mK	0.042	0.053	0.066	0.083	0.102	0.125	0.148

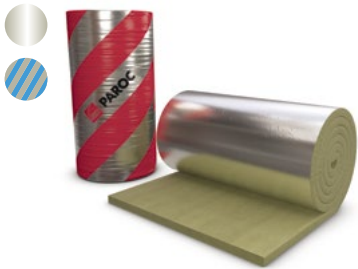
**COMBINE WITH (WR) 100
AND (WR) 140 TO REDUCE HEAT LOSS AND THERMAL BRIDGES.
CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL
CLADDING.**



MATS

PAROC PRO MAT (WR) 640 PAROC PRO MAT (WR) 640 ALUCOAT

Non-combustible stone wool mat for industrial applications



APPLICATION

- Thermal insulation of flat or irregularly shaped equipment where surface temperature is rather low
- For thermal insulation purposes when insulating flat or irregularly shaped equipment

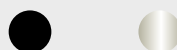
TECHNICAL SPECIFICATIONS

- Water absorption, short term $\leq 1 \text{ kg/m}^2$ according to EN 13472
- Surface temperature of the facing must not exceed $80 \text{ }^\circ\text{C}$
- AGI designation code: 10.06.99.99.80
- CE designation code:
MW-EN 14303-T2-ST(+)-640-WS1-CL10
MW-EN 14303-T2-ST(+)-640-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed $80 \text{ }^\circ\text{C}$ (temperature restriction determined in accordance with heat resistance adhesive)



t	$^\circ\text{C}$	50	100	150	200	300	400	500	600	640
$\lambda_{N,P}$	W/mK	0.040	0.046	0.053	0.062	0.084	0.111	0.146	0.190	0.205

**COMBINE WITH (WR) 100
AND (WR) 140 TO REDUCE HEAT LOSS AND THERMAL BRIDGES.
CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL
CLADDING.**

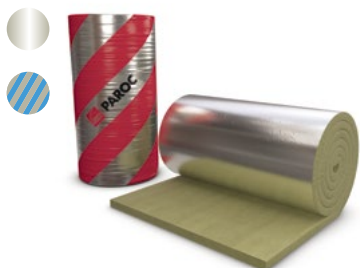


MATS

PAROC PRO MAT (WR) 660

PAROC PRO MAT (WR) 660 ALUCOAT

Non-combustible stone wool mat for industrial applications

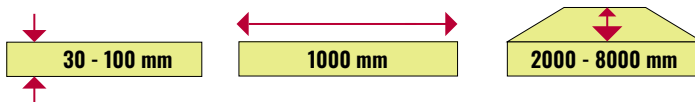


APPLICATION

- Thermal insulation of flat or irregularly shaped equipment where surface temperature is rather low

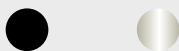
TECHNICAL SPECIFICATIONS

- Water absorption, short term $\leq 1 \text{ kg/m}^2$ according to EN 13472
- Surface temperature of the facing must not exceed $80 \text{ }^\circ\text{C}$
- AGI designation code: 10.06.99.99.10
- CE designation code:
 MW-EN 14303-T2-ST(+)-660-WS1-CL10
 MW-EN 14303-T2-ST(+)-660-WS1-MV2- CL10
- AluCoat version: Surface temperature of the facing must not exceed $80 \text{ }^\circ\text{C}$ (temperature restriction determined in accordance with heat resistance adhesive)



t	°C	50	100	150	200	300	400	500	600	680
$\lambda_{N,P}$	W/mK	0.039	0.045	0.051	0.059	0.078	0.102	0.131	0.167	0.196

COMBINE WITH (WR) 100 AND (WR) 140 TO REDUCE HEAT LOSS AND THERMAL BRIDGES. CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL CLADDING.



MATS

PAROC PRO LOOSE WOOL

Stone wool mat with low binder content

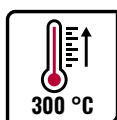
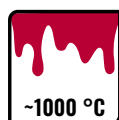


APPLICATION

- Stone wool mat with low binder content for insulation of irregularly formed structures and devices

TECHNICAL SPECIFICATIONS

- Water absorption, short term $\leq 1 \text{ kg/m}^2$ according to EN 13472
- CE designation code: MW-EN 14303-T2-ST(+/250)300-WS1-CL10



t	°C	50	100	150	200	300
$\lambda_{N,P}$	W/mK	0.042	0.053	0.066	0.083	0.125

OUTER DIAMETER FOR PIPE INSULATION: PIPE SECTIONS AND SEGMENTS

Inner diameter mm	Nominal insulation thickness, mm															
	20	25	30	40	50	60	70	80	90	100	110	120	130	140	150	160
	Outer diameter, mm															
12/15	52	62	72	92	115											
18	62	72	82	102	115	141										
22	62	72	82	102	128	141	167	180								
28	72	82	92	102	128	154	167	193								
35	72	82	92	115	141	154	180	193	219	232						
42	82	92	102	128	141	167	180	206	219	245						
48	92	102	115	128	154	167	193	206	232	245						
54	92	102	115	128	154	180	193	219	232	258						
57	102	102	115	141	154	180	193	219	232	258						
60	102	115	115	141	154	180	206	219	245	258						
64	102	115	128	141	167	180	206	219	245	258	284	310				
70	115	115	128	154	167	193	206	232	245	271	284	310				
76	115	128	141	154	180	193	219	232	258	271	297	310				
84			141	167	180	206	219	245	258	284	310	323				
89	128	141	154	167	193	206	232	245	271	284	310	323				
102	141	154	167	180	206	219	245	258	284	297	323	336				
108		154	167	193	206	232	245	271	284	310	323	349				
114		167	180	193	219	232	258	271	297	310	336	349				
121		167	180	206	219	245	258	284	297	323	336	362				
127		180	193	206	232	245	271	284	310	323	349	362				
133		180	193	219	232	258	271	297	310	336	349	375				
140		193	206	219	245	258	284	297	323	336	362	375				
156		206	219	232	258	271	297	310	336	362	375	401				
159		206	219	245	258	284	297	323	336	362	375	401				
168		219	232	245	271	284	310	323	349	362	388	414				
178		232	232	258	284	297	323	336	362	375	401	414				
194		245	258	271	297	310	336	349	375	388	414					
208			271	284	310	323	349	362	388	414	427					
219			284	297	323	336	362	375	401	414	440	453	479	505	518	544
230			284	310	336	349	375	388	414	427	453	466	492	505	531	544
240			297	323	336	362	375	401	414	440	466	479	505	518	544	557
245			310	323	349	362	388	401	427	440	466	479	505	531	544	570
259			323	336	362	375	401	414	440	453	479	505	518	544	557	583
273			336	349	375	388	414	427	453	479	492	518	531	557	570	596
289			349	375	388	414	427	453	466	492	505	531	544	570	583	609
295			349	375	401	414	440	453	479	492	518	531	557	570	596	609
305			362	388	401	427	440	466	479	505	531	544	570	583	609	622
324			388	401	427	440	466	479	505	518	544	570	583	609	622	648
356			414	440	453	479	492	518	531	557	570	596	622	635	661	674
371			427	453	466	492	505	531	557	570	596	609	635	648	674	687
377			440	453	479	492	518	531	557	583	596	622	635	661	674	700
406			466	492	505	531	544	570	583	609	622	648	661	687	700	726
426			492	505	531	544	570	583	609	622	648	661	687	700	726	752
457			518	531	557	583	596	622	635	661	674	700	713	739	752	778
479			544	557	583	596	622	635	661	674	700	713	739	765	778	804
490			544	570	596	609	635	648	674	687	713	726	752	765	791	804
508			570	583	609	622	648	674	687	713	726	752	765	791	804	830
533				609	635	648	674	687	713	739	752	778	791	817	830	856
558				635*	661	674	700	713	739	752	778	804	817	843	856	882
612				687*	713	726	752	778	791	817	830	856	869	895	908	934
630				713*	726	752	765	791	804	830	856	869	895	908	934	947
665				739*	765	791	804	830	843	869	882	908	921	947	960	986
714					817	830	856	869	895	908	934	960	973	999	1012	1038*
720					817	843	856	882	895	921	934	960	986	999	1025	1038*
762					856	882	908	921	947	960	986	999	1025	1038	1064*	1077*
813					908	934	947	973	999	1012	1038	1051	1077	1090	1116*	1129*
822					921	947	960	986	999	1025	1038	1064	1077	1103	1116	1142
914					1012	1038	1051	1077	1090	1116	1129	1155	1168	1194	1220	
1016							1155	1181	1194	1220						

Blank box - not made

414 Underlined - delivered hinged or halves (F1) according to request (F1 disallows AluCoat T)

427 Red - delivered only in halves (F1)

Not made with facings

Not made in 140 kg density

635* Red with asterisk - not made in WR 140 kg density

Boundary of selection available with facing AluCoat T

Boundary of selection available as Pro Lock

ACCESSORIES

PAROC CLAD DOTS

Water resistant butyl rubber tape with very high adhesion and ageing resistance designed to cover pins' heads



Application

- Maximum surface temperature where PAROC Clad Dots will be applied must not exceed 80 °C

Ø mm	Piece / roll	Rolls per box
90	100	6

PAROC CLAD TAPE

Water resistant butyl rubber tape with very high adhesion and ageing resistance



Application

- Recommended for closing joint on installations with Clad faced products.
The butyl sealing tape can be used as moisture and diffusion barriers
- PAROC Clad Tape gives a great finish
- Maximum surface temperature where PAROC Clad Tape will be applied must not exceed 80 °C

Length mm	Width mm	Rolls per box
10000	30	20
10000	50	12
10000	75	8
10000	100	6

PAROC CLAD ALU TAPE

Weather resistance acrylic tape based on a special thermoplastic laminate compound with pure aluminum and PVC



Application

- The tape provides excellent ageing resistance and is ideal e. g. for sealing the joints of PAROC Clad faced elbows. Recommended for outdoor applications.
- Clad Alu Tape gives a great finish
- Maximum surface temperature where PAROC Clad Tape will be applied must not exceed 80 °C

Length m	Width mm	Rolls per box
50	50	12
50	75	18
50	100	12

PAROC CLAD ALU DOTS

UV resistant tape made from 2-ply clad facing designed to cover pins' heads



Application

- Maximum surface temperature where PAROC Clad Dots will be applied must not exceed 80 °C



Ø mm	Piece / roll	Rolls per box
90	600	8

PAROC PRO ROOF WEDGE (WR)

Stonewool wedge plate with a gradient of at least 3%. The length measure corresponds to the longitudinal direction of the duct




Thickness mm	Length mm	Width mm
25/60	600	1200
42/60	600	1200

PAROC PRO PRODUCTS STANDARD COMPLIANCE

APRIL 2023



PAROC Products
for industrial applications

NAME OF STANDARD			
	PAROC Pro Pipe Sections (WR) (AluCoat)	PAROC Pro Slabs (WR) (AluCoat)	PAROC Pro Mats (WR) (AluCoat) (AL1)
CINI	✓	✓	✓
FESI	✓	✓	✓
PSK	✓	✓	✓
VDI	✓	✓	✓
DIN	✓	✓	✓
AGI	✓	✓	✓
BS	✓	✓	✓
PN	✓	✓	✓
SSG	✓	✓	✓
Norsok	✓	✓	✓
NF	✓	✓	✓
ISO	✓	✓	✓
EN	✓	✓	✓
CE	✓	✓	✓
ASTM	✓	✓	✓
Keymark	✓	✓	✓
EUCEB	✓	✓	✓
VDMA	✓	✓	✓
Other	✓	✓	✓

Paroc follows above standards and can provide advice and support on request

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Claudia Beling

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Applications: June 2024
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