TI INDUSTRY GUIDE

TECHNICAL INSULATION
MARCH 2026

OWENS CORNING® PAROC®

TABLE OF CONTENTS*

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

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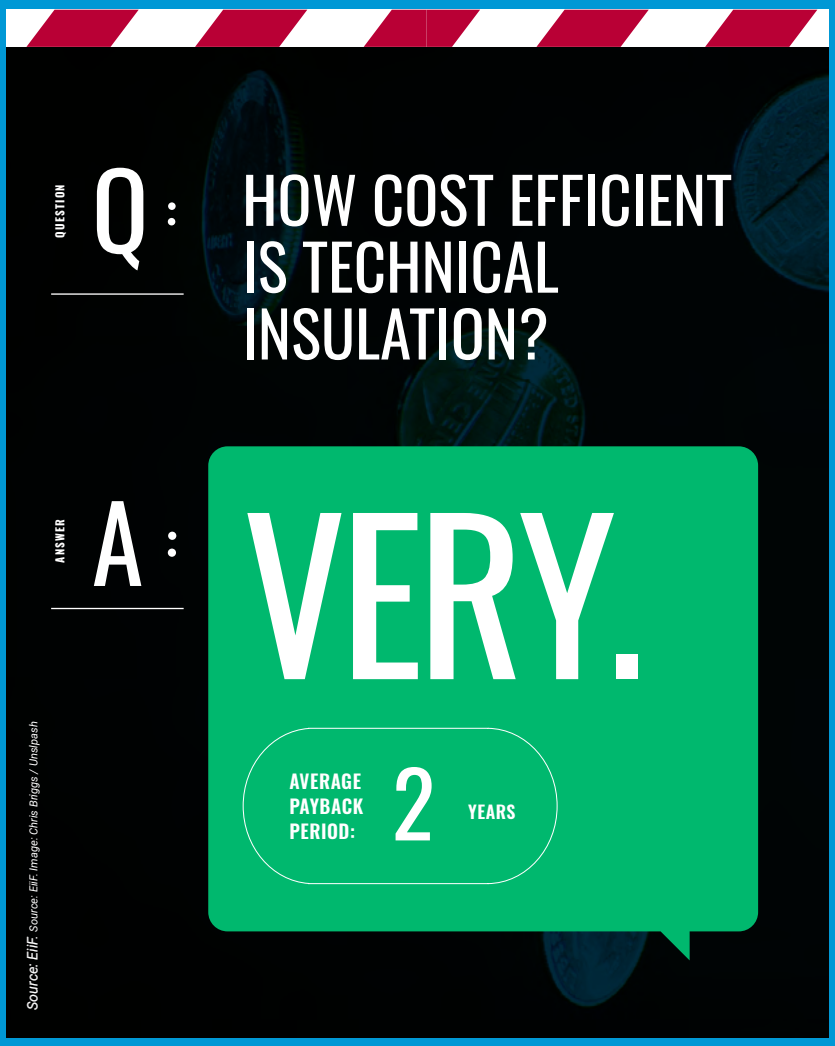
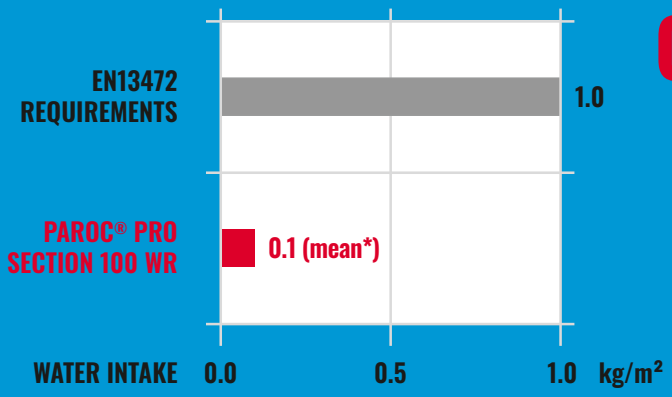
Clicking on 'Table of Contents' will direct you back to the index page.
Hyperlinks will take you to relevant additional pages or research sources.**

*Please note that product names may vary in some areas





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
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	
Pipe sections															
■													■		PAROC® Pro Section WR 100 (AluCoat)
□													□		PAROC® Pro Section 100 (AluCoat)
■													■		PAROC® Pro Section WR 140 (AluCoat)
□													□		PAROC® Pro Section 140 (AluCoat)
■													■		PAROC® Pro Section WR DL 100 (AluCoat)
□													□		PAROC® Pro Section DL 100 (AluCoat)
	■	■													PAROC® Pro Section WR DL 140 (AluCoat)
	□	□													PAROC® Pro Section DL 140 (AluCoat)
	□	□													PAROC® Pro Section 140 Clad
■													■		PAROC® Pro Lock WR 100
□													□		PAROC® Pro Lock 100
■	■	■											■		PAROC® Pro Lock WR 140
□	□	□											□		PAROC® Pro Lock 140
Segmens, Curves, Bends															
			■												PAROC® Pro Curve WR 100 (AluCoat)
			□												PAROC® Pro Curve 100 (AluCoat)
			■												PAROC® Pro Curve WR 140 (AluCoat)
			□												PAROC® Pro Curve 140 (AluCoat)
			■												PAROC® Pro Curve 140 Clad WR
			■												PAROC® Pro Segment WR 100 (AluCoat)
			□												PAROC® Pro Segment 100 (AluCoat)
			■												PAROC® Pro Segment WR 140 (AluCoat)
			□												PAROC® Pro Segment 140 (AluCoat)
			■												PAROC® Pro Segment WR DL 100 (AluCoat)
			□												PAROC® Pro Segment DL 100 (AluCoat)
			■												PAROC® Pro Segment WR DL 140 (AluCoat)
			□												PAROC® Pro Segment DL 140 (AluCoat)
			■												PAROC® Pro Segment 140 Clad
			■												PAROC® Pro Bend WR 100 (AluCoat)
			□												PAROC® Pro Bend 100 (AluCoat)
			■												PAROC® Pro Bend WR 140 (AluCoat)
			□												PAROC® Pro Bend 140 (AluCoat)
			■												PAROC® Pro Bend 140 Clad

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

OUTSTANDING WATER REPELLENCY

Nominal density kg/m³	Max service temperatur (C and Fahrenheit)	Up to 80 kg | recommended up to 200 °C | possible up to MST 100-120 kg | possible up to 200 °C | recommended 200-350 °C possible up to MST 130 kg* | possible up to 350 °C | recommended 350 °C to MST
100	640°C 1184°F	
100	640°C 1184°F	
140	680°C 1256°F	
140	680°C 1256°F	
100	640°C 1184°F	
100	640°C 1184°F	
140	680°C 1256°F	
140	680°C 1256°F	
140	680°C 1256°F	
100	640°C 1184°F	
100	640°C 1184°F	
140	680°C 1256°F	
140	680°C 1256°F	
100	640°C 1184°F	
100	640°C 1184°F	
140	680°C 1256°F	
140	680°C 1256°F	
140	680°C 1256°F	
100	640°C 1184°F	
100	640°C 1184°F	
140	680°C 1256°F	
140	680°C 1256°F	
100	640°C 1184°F	
100	640°C 1184°F	
140	680°C 1256°F	
140	680°C 1256°F	
140	680°C 1256°F	
100	640°C 1184°F	
100	640°C 1184°F	
140	680°C 1256°F	
140	680°C 1256°F	

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

Industrial Pipeworks				Tanks			Industrial Boilers								Recommended products
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
					■	■									PAROC® Pro Slab 350 AluCoat
					▨	▨									PAROC® Pro Slab (WR) 350 AluCoat
					■	■									PAROC® Pro Slab WR 450
					■	■	■								PAROC® Pro Slab 450 AluCoat
					▨	▨									PAROC® Pro Slab (WR) 450 AluCoat
					■	■	■	■	■	■					PAROC® Pro Slab WR 640
					■	■									PAROC® Pro Slab 640 AluCoat
					▨	▨									PAROC® Pro Slab (WR) 640 AluCoat
						■	■	■	■	■					PAROC® Pro Slab WR 660
						■	■	■	■	■		■			PAROC® Pro Slab 660 AluCoat
						▨	▨	▨	▨	▨		▨			PAROC® Pro Slab (WR) 660 AluCoat
						■	■	■	■	■		■			PAROC® Pro Slab WR 680
						■	■	■	■	■		■			PAROC® Pro Slab 680 AluCoat
						▨	▨	▨	▨	▨		▨			PAROC® Pro Slab (WR) 680 AluCoat
						■	■	■	■	■		■			PAROC® Pro Slab WR 700
						■	■	■	■	■		■			PAROC® Pro Slab 700 AluCoat
						▨	▨	▨	▨	▨		▨			PAROC® Pro Slab (WR) 700 AluCoat
Lamella Mats															
					■								■		PAROC® Pro Lamella Mat AluCoat
					■								■		PAROC® Pro Lamella Mat 80 AluCoat

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

OUTSTANDING WATER REPELLENCY

Nominal density kg/m³	Max service temperatur (C and Fahrenheit)	Up to 80 kg | recommended up to 200 °C | possible up to MST 100-120 kg | possible up to 200 °C | recommended 200-350 °C possible up to MST 130 kg* | possible up to 350 °C | recommended 350 °C to MST
40	350°C 662°F	
40	350°C 662°F	
40	350°C 662°F	
60	450°C 842 °F	
60	450°C 842 °F	
60	450°C 842 °F	
80	640°C 1184°F	
80	640°C 1184°F	
80	640°C 1184°F	
100	660°C 1220°F	
100	660°C 1220°F	
100	660°C 1220°F	
120	680°C 1256°F	
120	680°C 1256°F	
120	680°C 1256°F	
150	700°C 1292°F	
150	700°C 1292°F	
150	700°C 1292°F	
50	500°C 932°F	
80	500°C 932°F	

Question or packaging and/or dimensions?
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Industrial Pipeworks				Tanks			Industrial Boilers								
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	**Recommended products**
Wired Mats															
■				■		■							■	■	PAROC® Pro Wired Mat WR 550
■				■		■							■	■	PAROC® Pro Wired Mat 550 AL1
■				■		■	■	■	■	■	■		■	■	PAROC® Pro Wired Mat 660
■				■		■	■	■	■	■	■		■	■	PAROC® Pro Wired Mat WR 660 (AluCoat)
■				■		■	■	■	■	■	■		■	■	PAROC® Pro Wired Mat 660 AL1
	■	■		■		■	■	■	■	■	■		■	■	PAROC® Pro Wired Mat 680
	■	■		■		■	■	■	■	■	■		■	■	PAROC® Pro Wired Mat WR 680 (AluCoat)
	■	■		■		■	■	■	■	■	■		■	■	PAROC® Pro Wired Mat 680 AL1
	■	■		■		■			■				■	■	PAROC® Pro Wired Mat WR 700 TH1
	■					■			■				■	■	PAROC® Pro Wired Mat (WR) 700 AluCoat TH1
	▨					▨			▨				▨	▨	PAROC® Pro Wired Mat (WR) 700 AL1 TH1
Mats															
■						■						■	■	■	PAROC® Pro Mat 350
						■							■	■	PAROC® Pro Mat 350 AluCoat
■						■			■	■	■	■	■	■	PAROC® Pro Mat 640
											■		■	■	PAROC® Pro Mat 640 AluCoat
						■			■	■	■	■	■	■	PAROC® Pro Mat 660
											■		■	■	PAROC® Pro Mat 660 AluCoat
										■		■			PAROC® Pro Loose Mat WR 600
										■		■			PAROC® Pro Loose Mat WR 660
Roof Slabs															
				■											PAROC® Pro Roof Slab 20 kPa
				■											PAROC® Pro Roof Slab WR 20 kPa
				■											PAROC® Pro Roof Slab 50 kPa
				■											PAROC® Pro Roof Slab WR 50 kPa
				■											PAROC® Pro Roof Slab WR 80 kPa

WATER-REPELLENT
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ALUMINIUM FACING + WATER-REPELLENT

OUTSTANDING WATER REPELLENCY

Nominal density kg/m³	Max service temperatur (C and Fahrenheit)	Up to 80 kg | recommended up to 200 °C | possible up to MST 100-120 kg | possible up to 200 °C | recommended 200-350 °C possible up to MST 130 kg* | possible up to 350 °C | recommended 350 °C to MST
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70	600°C 1112°F	
80	660°C 1220°F	
80	660°C 1220°F	
80	660°C 1220°F	
100	680°C 1256°F	
100	680°C 1256°F	
100	680°C 1256°F	
130	700°C 1292°F	
130	700°C 1292°F	
130	700°C 1292°F	
50	350°C 662°F	
50	350°C 662°F	
80	640°C 1184°F	
80	640°C 1184°F	
100	660°C 1220°F	
100	660°C 1220°F	
70	600°C 1112°F	
100	660°C 1220°F	
		10 kPa 20 kPa 30 kPa 40 kPa 50 kPa 60 kPa 70 kPa 80 kPa
90	640°C 1184°F	kg kg
90	640°C 1184°F	kg kg
150	700°C 1292°F	kg kg kg kg kg
150	700°C 1292°F	kg kg kg kg kg
150	660°C 1220°F	kg kg kg kg kg kg kg kg

Question or packaging and/or dimensions?
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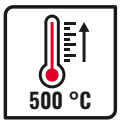
PAROC PRODUCTS FOR INDUSTRIAL APPLICATIONS

EXPLANATION OF SYMBOLS

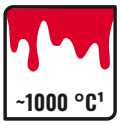
TECHNICAL SPECIFICATIONS

Nominal density

Maximum service temperature



Melting point

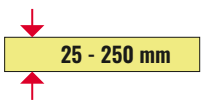


¹Owens Corning internal test results, June 2023-24 for normal quality control/FPC

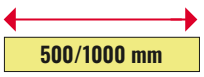
Non-combustible

DIMENSIONS

Thickness

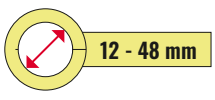


Width

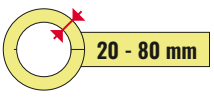


Length

Inner diameter



Insulation thickness



Section length

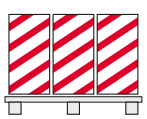
ADDITIONAL INFORMATION

Data sheet

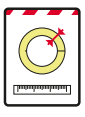
Accessories

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 ALUCOAT
PAROC® PRO SECTION 100 ALUCOAT

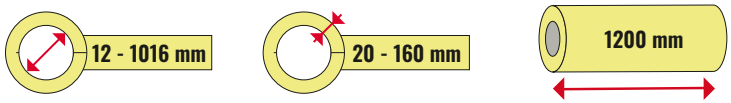
Concentric, dimensionally accurate stone wool pipe sections, in one or two segments, slotted on one side

APPLICATION

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

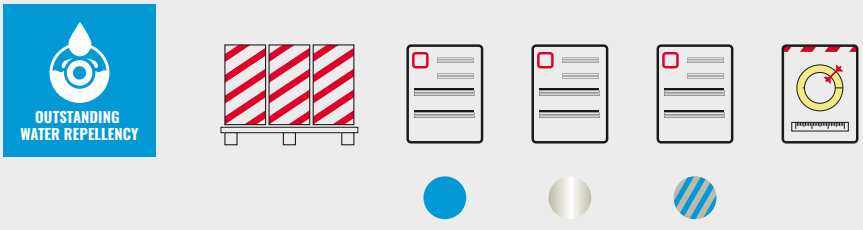
TECHNICAL SPECIFICATIONS

- Water absorption< 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: 10.04.03.50.10
- 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	300
$\lambda_{N,P}$	W/mK	0.040	0.046	0.054	0.064	0.092



PIPE SECTIONS

PAROC® PRO SECTION WR 120
PAROC® PRO SECTION 120
PAROC® PRO SECTION WR 120 ALUCOAT
PAROC® PRO SECTION 120 ALUCOAT

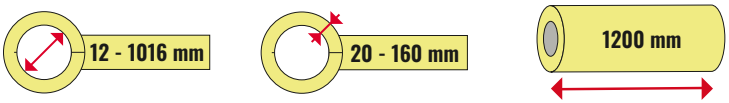
Concentric, dimensionally accurate stone wool pipe sections, in one or two segments, slotted on one side

APPLICATION

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

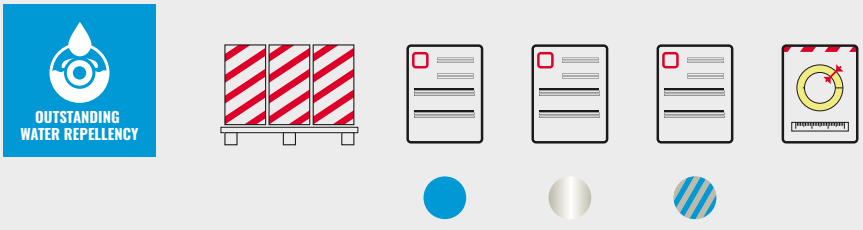
TECHNICAL SPECIFICATIONS

- Water absorption< 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: 10.04.04.60.12
- 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

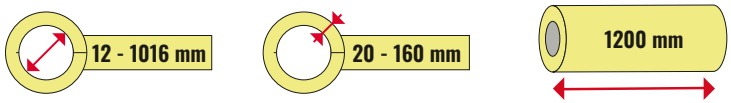
PAROC® Pro Section 140 is a non-combustible stonewool pipe section for industrial pipe lines

APPLICATION

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

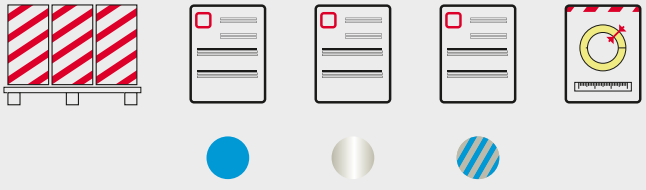
TECHNICAL SPECIFICATIONS

- 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

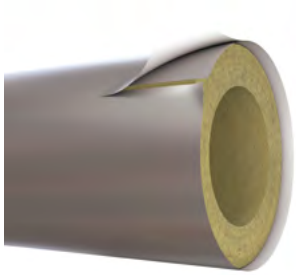


PIPE SECTIONS

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

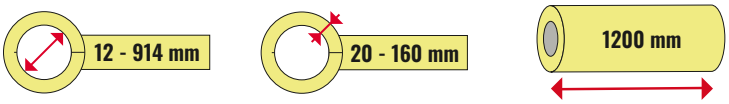


APPLICATION

- Thermal insulation of outdoor pipelines
- Due to a weather-resistant aluminum 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)

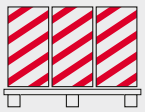
TECHNICAL SPECIFICATIONS

- 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

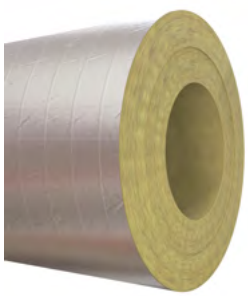
t	°C	50	100	150	200	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.085	0.110



PIPE SECTIONS

PAROC® PRO 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

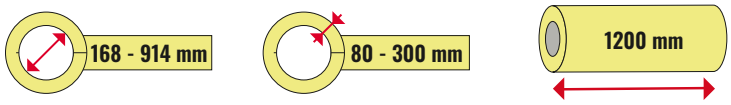


APPLICATION

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

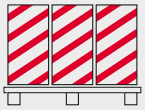
TECHNICAL SPECIFICATIONS

- Water absorption< 0,1 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: 10.08.03.50.10
- 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)



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

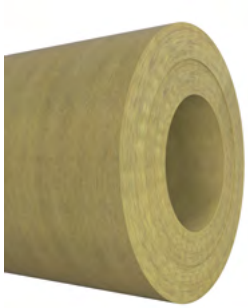
t	°C	50	100	150	200	300
$\lambda_{N,P}$	W/mK	0.040	0.046	0.054	0.064	0.092



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

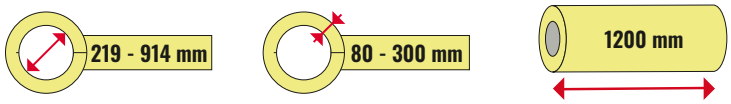


APPLICATION

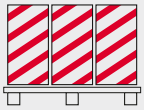
- Thermal insulation of industrial pipework for higher insulation thicknesses or where there is required insulation in two layers

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)



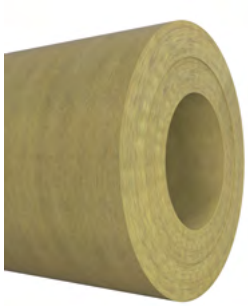
t	°C	50	100	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.063	0.073	0.085	0.110



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

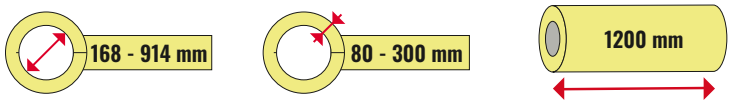


APPLICATION

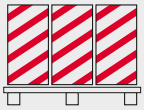
- Thermal insulation of industrial pipework for higher insulation thicknesses or where there is required insulation in two layers

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 $A1_L$
- 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

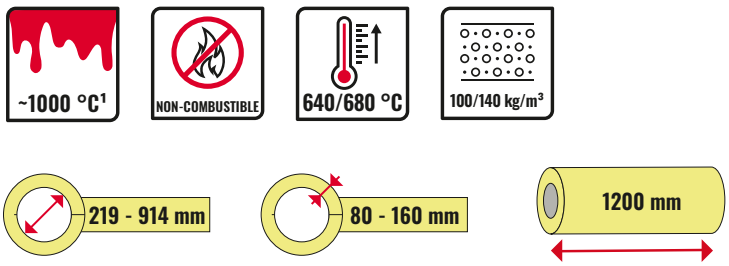
Stonewool pipe section in 2 layers for industrial pipe lines

APPLICATION

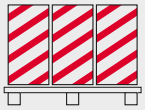
- Thermal insulation of industrial pipework for high insulation thicknesses or where there is required insulation in two layers

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		300		400	
		PS140	PS100	PS140	PS100	PS140	PS100	PS140	PS100	PS140	PS100	PS140	PS100
$\lambda_{N,P}$	W/mK	0.041	0.040	0.047	0.046	0.054	0.054	0.063	0.064	0.085	0.092	0.110	



PIPE SECTIONS

PAROC® PRO LOCK WR 100
PAROC® PRO LOCK 100

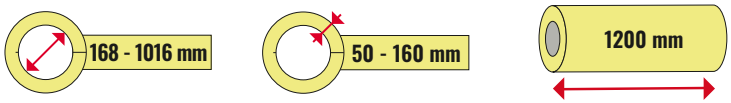
Stonewool pipe section with a z-joint on the longitudinal and circumferential seams

APPLICATION

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

TECHNICAL SPECIFICATIONS

- Water absorption< 0,1 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: 10.04.03.50.10
- 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	300
$\lambda_{N,P}$	W/mK	0.040	0.046	0.054	0.064	0.092

PIPE SECTIONS

PAROC® PRO LOCK WR 140
PAROC® PRO LOCK 140

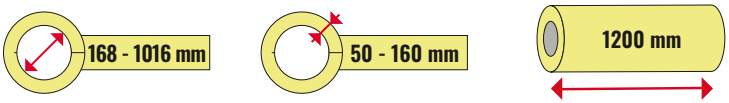
Stonewool pipe section with a z-joint on the longitudinal and circumferential seams

APPLICATION

- Thermal insulation of industrial pipework at high temperatures

TECHNICAL SPECIFICATIONS

- Water absorption< 0,1 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



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

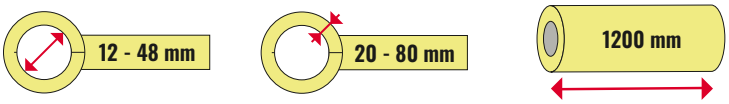
Accessories (page 48):
PAROC® Clad Alu Dots
PAROC® Clad Dots
PAROC® Clad Tape
PAROC® Pro Roof Wedge (WR)

APPLICATION

- Thermal insulation of outdoor pipelines
- Due to a weather-resistant aluminum 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 BENDS

PAROC® PRO BEND WR 100
PAROC® PRO BEND 100
PAROC® PRO BEND WR 100 ALUCOAT
PAROC® PRO BEND 100 ALUCOAT

Prefabricated insulation component made of stonewool.
PAROC® Pro Bends and PAROC® Pro Segments can only be ordered in conjunction with PAROC® Pro Sections

APPLICATION

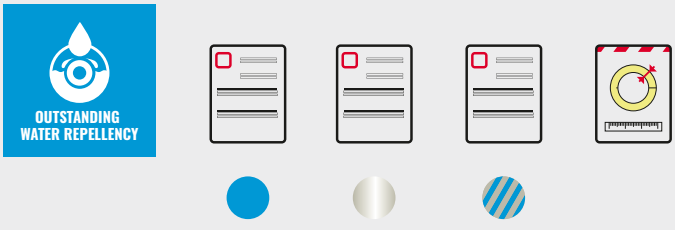
- Thermal insulation of industrial pipework at high temperatures

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 $A1_L$
- 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)

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

t	°C	50	100	150	200	300
$\lambda_{N,P}$	W/mK	0.040	0.046	0.054	0.064	0.092

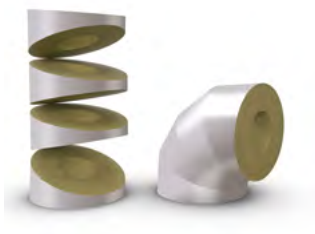


PIPE BENDS

PAROC® PRO BEND (WR) 140 CLAD

Prefabricated insulation component made of stonewool with a fibre reinforced aluminium coating.
PAROC® Pro Bends and PAROC® Pro Segments can only be ordered in conjunction with PAROC® Pro Sections

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



APPLICATION

- Thermal insulation of outdoor pipelines
- Due to a weather-resistant aluminum 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)

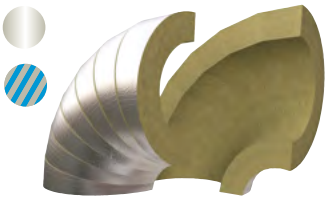
Nominal value of the thermal conductivity λ according to DIN EN 12667

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

PIPE BENDS

PAROC® PRO CURVE WR 100
PAROC® PRO CURVE 100
PAROC® PRO CURVE WR 100 ALUCOAT
PAROC® PRO CURVE 100 ALUCOAT

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

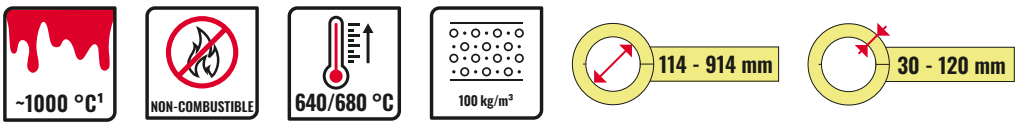


APPLICATION

- 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: 10.08.03.50.10
- 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)

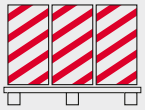


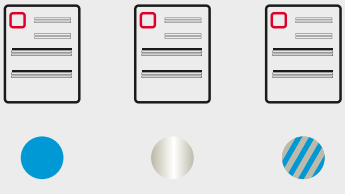
Pipe thickness (mm)	Inner dia	Available dimensions PAROC® Pro Curve (WR) 100												
		114	140	168	219	273	324	356	406	457	508	612	762	914
	30	x	x	x	x	x	x	x	x	x	x			
	40	x	x	x	x	x	x	x	x	x	x	x		
	50	x	x	x	x	x	x	x	x	x	x	x	x	x
	60		x	x	x	x	x	x	x	x	x	x	x	x
	70		x	x	x	x	x	x	x	x	x	x	x	x
	80			x	x	x	x	x	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	300
$\lambda_{N,P}$	W/mK	0.040	0.046	0.054	0.064	0.092

Watch our video on energy efficiency with PAROC® Pro Sections!

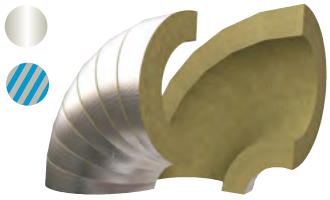




PIPE BENDS

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

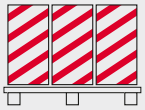
TECHNICAL SPECIFICATIONS

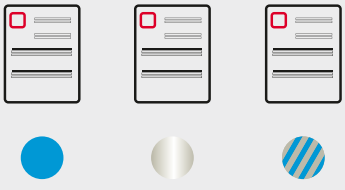
- Water absorption< 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m² for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to 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!

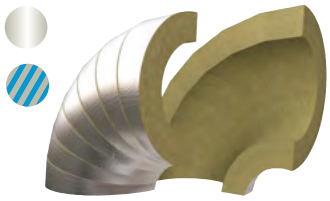




PIPE BENDS

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

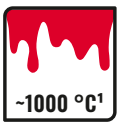


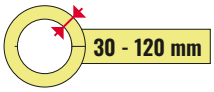
APPLICATION

- 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)



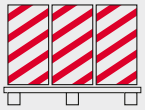


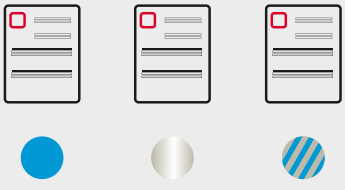
Insulation thickness (mm)	Inner dia	Available dimensions PAROC® Pro Curve (WR) 140												
		114	140	168	219	273	324	356	406	457	508	612	762	914
	30	x	x	x	x	x	x	x	x	x	x			
	40	x	x	x	x	x	x	x	x	x	x	x		
	50	x	x	x	x	x	x	x	x	x	x	x	x	x
	60		x	x	x	x	x	x	x	x	x	x	x	x
	70		x	x	x	x	x	x	x	x	x	x	x	x
	80			x	x	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!

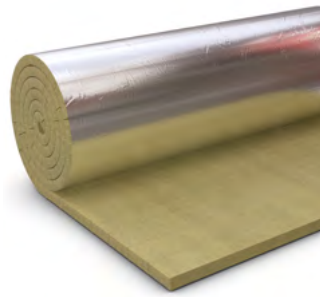




LAMELLA MATS

PAROC® PRO LAMELLA MAT ALUCOAT

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

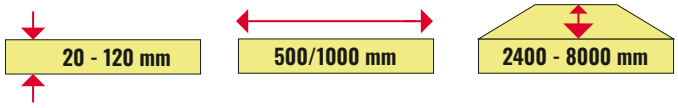


APPLICATION

- 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



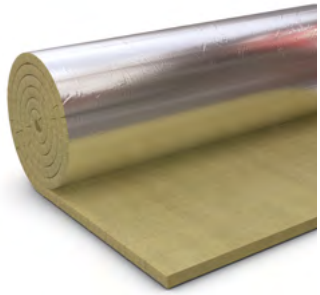
Nominal value of the thermal conductivity λ according to DIN EN 12667

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

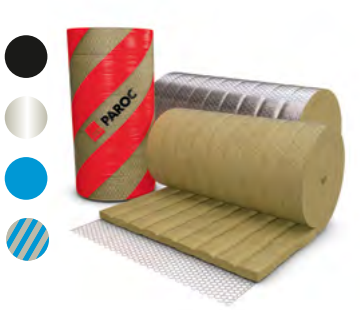
Nominal value of the thermal conductivity λ according to DIN EN 12667

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

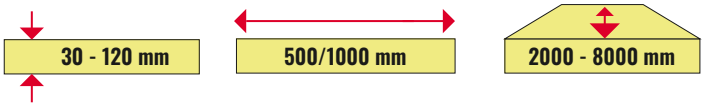


APPLICATION

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

TECHNICAL SPECIFICATIONS

- Water absorption< 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: 10.01.02.50.08
- 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 PAROC® PRO CLADDING SUPPORT (WR) 100 OR 140 TO REDUCE TO REDUCE HEAT LOSS AND THERMAL BRIDGES. CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL CLADDING.

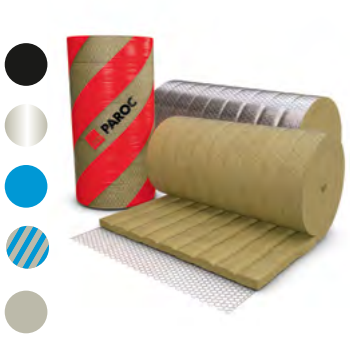
OUTSTANDING WATER REPELLENCY

*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

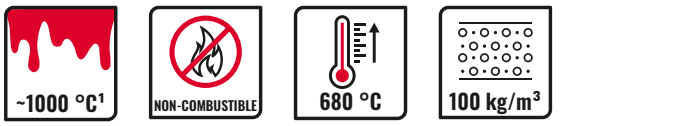


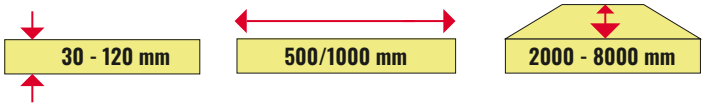
APPLICATION

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

TECHNICAL SPECIFICATIONS

- Water absorption< 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 1609 and EN 12087
- 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: 10.01.03.60.10
- 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 °C (temperature restriction determined in accordance with heat resistance adhesive)





t	°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 PAROC® PRO CLADDING SUPPORT (WR) 100 OR 140 TO REDUCE TO REDUCE HEAT LOSS AND THERMAL BRIDGES. CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL CLADDING.

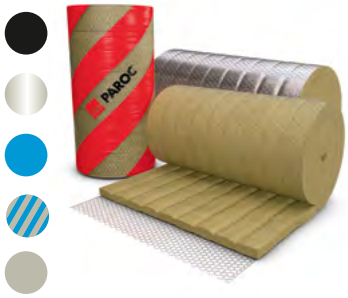
OUTSTANDING WATER REPELLENCY

*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

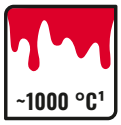


APPLICATION

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

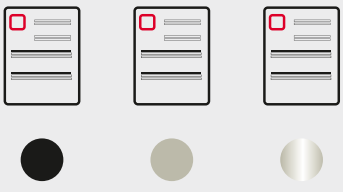
TECHNICAL SPECIFICATIONS

- Water absorption< 0,1 kg/m² at temperatures up to 300 °C for water-repellent version according to EN 1609 and EN 12087
- 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: 10.01.04.60.13
- 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 °C (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 PAROC® PRO CLADDING SUPPORT (WR) 100 OR 140 TO REDUCE TO REDUCE HEAT LOSS AND 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

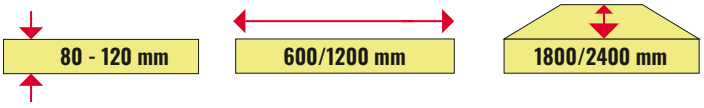
It is designed to withstand working loads during installation and maintenance (80 kPa)

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

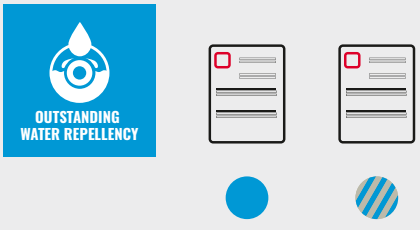
- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

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

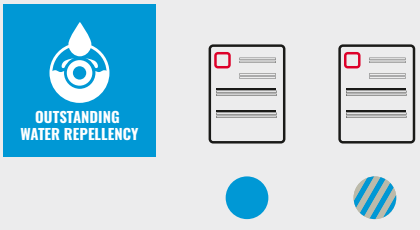
- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

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

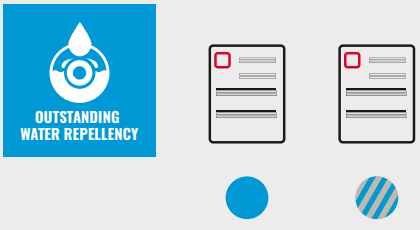
TECHNICAL SPECIFICATIONS

- 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

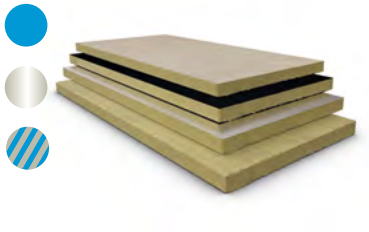
**25 - 250 mm for AluCoat version*



SLABS

PAROC® PRO SLAB WR 660
PAROC® PRO SLAB 660
PAROC® PRO SLAB 660 ALUCOAT
PAROC® PRO SLAB WR 660 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: 10.07.02.40.10
- 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*

SLABS

PAROC® PRO SLAB WR 640 CLAD

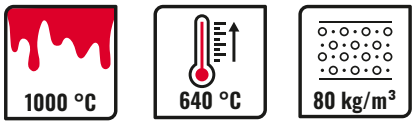
Stonewool slab with outstanding water repellence, UV- resistant, fiber reinforce aluminium coating

APPLICATION

- Insulation of industrial ducts, process equipment and the constructions of power plants
- Due to a weather-resistant aluminum coating, outdoor installation without additional cladding systems
- The mineral wool is protected from mechanical loads, moisture and chemical substances

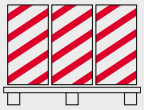
TECHNICAL SPECIFICATIONS

- Facing is water-resistant according to EN 1928:2002, method B
- Insulation is water-repellent according to EN 1609
- AS quality according to EN 13468 and AGI Q 132
- 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-T5-ST(+)640-WS1-MV2-CL10
- PAROC® Pro WR products are tested according to LABS conformity standard VDMA 24364
- PAROC® Pro Slab WR products providing very low water absorption at elevated temperatures according to EN 1609



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

t	°C	10	50	100	150	200	300	400	500	600	640
$\lambda_{N,P}$	W/mK	0.035	0.039	0.045	0.053	0.062	0.084	0.112	0.144	0.185	0.203



SLABS

PAROC® PRO SLAB WR 660 CLAD

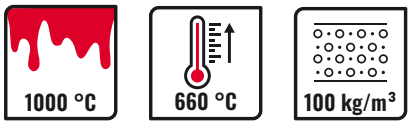
Stonewool slab with outstanding water repellence, UV- resistant, fiber reinforce aluminium coating

APPLICATION

- Insulation of industrial ducts, process equipment and the constructions of power plants
- Due to a weather-resistant aluminum coating, outdoor installation without additional cladding systems
- The mineral wool is protected from mechanical loads, moisture and chemical substances

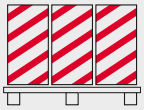
TECHNICAL SPECIFICATIONS

- Facing is water-resistant according to EN 1928:2002, method B
- Insulation is water-repellent according to EN 1609
- AS quality according to EN 13468 and AGI Q 132
- 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-T5-ST(+)660-WS1-MV2-CL10
- PAROC® Pro WR products are tested according to LABS conformity standard VDMA 24364
- PAROC® Pro Slab WR products providing very low water absorption at elevated temperatures according to EN 1609



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

t	°C	10	50	100	150	200	300	400	500	600	660
$\lambda_{N,P}$	W/mK	0.035	0.039	0.045	0.052	0.060	0.081	0.107	0.140	0.175	0.200



MATS

PAROC® PRO MAT (WR) 350

PAROC® PRO MAT (WR) 350 ALUCOAT

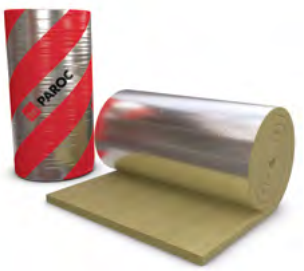
Non-combustible stone wool mat for industrial applications

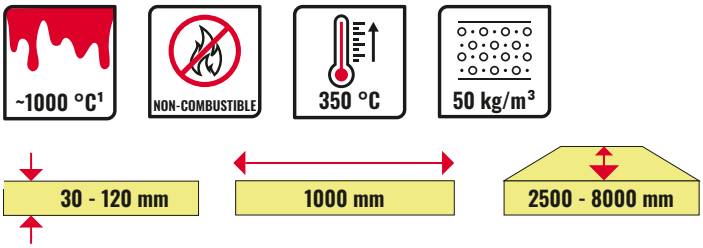
APPLICATION

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

TECHNICAL SPECIFICATIONS

- Water absorption, short term ≤ 1 kg/m² according to EN 13472
- Surface temperature of the facing must not exceed 80 °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 °C (temperature restriction determined in accordance with heat resistance adhesive)





t	°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

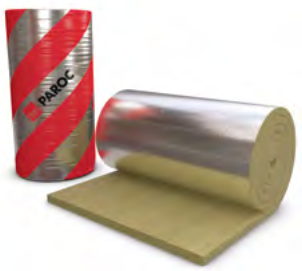
COMBINE WITH PAROC® PRO CLADDING SUPPORT (WR) 100 OR 140 TO REDUCE TO REDUCE HEAT LOSS AND THERMAL BRIDGES. CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL CLADDING.

MATS

PAROC® PRO MAT (WR) 640

PAROC® PRO MAT (WR) 640 ALUCOAT

Non-combustible stone wool mat for industrial applications

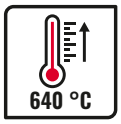


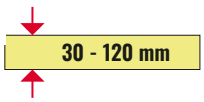
APPLICATION

- 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 ≤ 1 kg/m² according to EN 13472
- Surface temperature of the facing must not exceed 80 °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 °C (temperature restriction determined in accordance with heat resistance adhesive)





t	°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

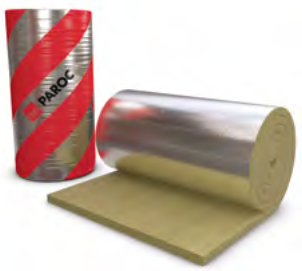
COMBINE WITH PAROC® PRO CLADDING SUPPORT (WR) 100 OR 140 TO REDUCE TO REDUCE HEAT LOSS AND THERMAL BRIDGES. CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL CLADDING.

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 ≤ 1 kg/m² according to EN 13472
- Surface temperature of the facing must not exceed 80 °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 °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 PAROC® PRO CLADDING SUPPORT (WR) 100 OR 140 TO REDUCE TO REDUCE HEAT LOSS AND THERMAL BRIDGES. CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL CLADDING.

MATS

PAROC® PRO LOOSE WOOL

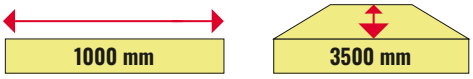
Stone wool mat with low binder content

APPLICATION

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

TECHNICAL SPECIFICATIONS

- Water absorption, short term ≤ 1 kg/m² 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	Nominal insulation thickness, mm															
	20	25	30	40	50	60	70	80	90	100	110	120	130	140	150	160
mm	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

Lenght 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)

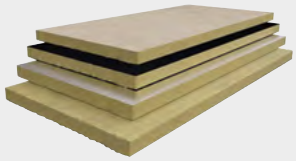
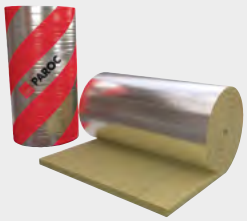
Stonewool wedge plate with a gradient of at least 3%. The length measure corresponds to the longitudinal direction of the duct

Thickness mm	Length mm	Width mm
30/60	1200	600
30/60	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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Applications: March 2026
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