

PAROC Pro Lock WR 140

PAROC Pro Lock WR 140 is a non-combustible stone wool pipe section with outstanding water repellency and a Z-joint on the longitudinal and circumferential seams, designed for industrial pipelines.

PAROC Pro Lock is a unique solution, providing the benefits of a two-layer insulation with a single layer installation. The Z-lock is reducing thermal losses caused by thermal expansion.

PAROC WR products are an excellent tool for minimizing the risk of CUI (corrosion under insulation), keeping the outstanding water repellent properties at elevated temperatures. PAROC WR products are safe to use in combination with painting operations.



Product Data Sheet

4.2.2026

Dimensions (mm)	Inner Diameter	Thickness	Length
	219 - 813	80 - 160	1200

Nominal Density	140 kg/m ³
	Other dimensions are available on request.

Product characteristics according to EN 14303	Designation Code	MW-EN 14303-T8/T9-ST(+)-680-WS1-CL10						
	DoP Number	40204						
	Thickness Tolerances, T	T8/T9						
	Reaction to Fire, Euroclass	A1 _l						
	Maximum Service Temperature - Dimensional Stability	680 °C						
	Water Absorption, Short Term WS, Wp	≤ 1 kg/m ²						
	Trace Quantity of Water-soluble Chloride Ions	≤ 10 ppm						
	Thermal Conductivity, λ _D	See table below						
	°C	10	50	100	150	200	300	400
	λ _D W/(m*K)	0.038	0.041	0.047	0.054	0.063	0.085	0.110

Fire Properties	PAROC Stonewool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200°C while the fire protecting properties remain unchanged. Stone wool has a high melting point of over 1000°C (internal test method).
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Moisture Properties	PAROC WR Pipe Sections are providing a very low water absorption (average water absorption level <0,1 kg/m ² after 300°C/24h prebake) according to BS EN ISO 12623, based on 3rd-party testing in 2019 and internal testing in 2023-2024.
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Environmental Properties

The European Certification Board for Mineral Wool products (EUCEB) trademark on our products confirms that PAROC Stonewool fibre fulfils the bio solubility requirements of EU directive No. 1272/2008. The German RAL quality mark confirms that the bio solubility and safety requirements are met according to the German technical regulation TRGS905.

PAROC Stonewool is made of stone. The volume of the product is ~98% air and only ~2% fiberized stone. The excellent properties of the product are based on the properties of the raw materials. PAROC Stonewool maintains its insulating ability and dimensions throughout the reference service life of the the building, which is considered to be minimum 50 years.

PAROC Stonewool is reusable and can be recycled into new stone wool products.

Certificates and Approvals

EC Certificate of Conformity 0809-CPR-1016

PAROC WR products are safe to use in combination with painting operations: PAROC WR products are 3rd party tested, passing the requirements of the most stringent class of the LABS conformity (paint wetting impairment) standard, VDMA 24364.

PAROC pipe sections can be used to satisfy the requirements as given in the tables for insulation thickness in BS5422:2023. PAROC can offer help and assistance to customers to confirm that the insulation systems proposed do in fact achieve the necessary performance criteria. PAROC pipe sections conform to BS3958-4.

MED Module B No. 74480/A2

UK Module B No. 74465/A2

Storage and Installation

PAROC products should be stored in packaging protected against external weather conditions.

Installation in accordance with the design assumptions or based on the manufacturer's instructions.

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