

PAROC Pro Section WR 140

(PAROC Section 140 WR)



Short Description

Water repellent stone wool pipe section.

Application

Thermal insulation of industrial process pipework in higher temperature.

Technical Properties

Nominal Density

140 kg/m³

Maximum Service Temperature

750 °C

PAROC stone wool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200°C. The insulating properties remain unchanged, but the compressive stress weakens. The softening temperature of stone wool products is over 1000°C.

Dimensions

Thickness

20-160 mm

Pipe Section Length

1200/1000 mm

Inner Diameter

12-1016 mm

Packaging

Carton on Pallet, Plastic on Pallet

Single Package Size

Carton 300x400x1200mm

Pallet Size

1200x1200mm

Fire Properties

Reaction to Fire, Euroclass

A1L

In accordance with

EN 13501-1

Thermal Properties

Thermal Conductivity in 10 °C, λ_{10} 0.037 W/mK

Thermal Conductivity in 50 °C, λ_{50} 0.039 W/mK

Thermal Conductivity in 100 °C, λ_{100} 0.043 W/mK

Thermal Conductivity in 150 °C, λ_{150} 0.049 W/mK

Thermal Conductivity in 200 °C, λ_{200} 0.057 W/mK

Thermal Conductivity in 300 °C, λ_{300} 0.077 W/mK

Thermal Conductivity in 400 °C, λ_{400} 0.104 W/mK

Thermal Conductivity in 500 °C, λ_{500} 0.138 W/mK

Values announced by manufacturer.

Moisture Properties

Complies with the requirements set by BS 2972 Part 12 (even after preheated up to 250 °C).

Other Information

PAROC Section WR 140 can be used to satisfy the requirements as given in the tables for insulation thickness in BS5422:2009. Paroc can offer help and assistance to customers to confirm that the insulation systems proposed do in fact, achieve the necessary performance criteria. PAROC Section 140 WR conforms to BS3958-4.



PAROC OY AB, P.O. Box 47 (Läkkisepäntie 23), FI-00621 Helsinki Finland, Tel. +358 46 876 8000, Fax +358 46 876 8002, www.paroc.com

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