

PAROC Pro Section WR 100

(PAROC Section WR, PAROC Section 100 WR)



Short Description

Water repellent stone wool pipe section.

Application

Thermal insulation of industrial process pipework.

Technical Properties

Nominal Density

100 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

Fire Properties

Reaction to Fire, Euroclass

A1L

In accordance with

EN 13501-1

Thermal Properties

Thermal Conductivity in 10 °C, λ_{10} 0.034 W/mK

Thermal Conductivity in 50 °C, λ_{50} 0.037 W/mK

Thermal Conductivity in 100 °C, λ_{100} 0.042 W/mK

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

Thermal Conductivity in 200 °C, λ_{200} 0.059 W/mK

Thermal Conductivity in 300 °C, λ_{300} 0.083 W/mK

Thermal Conductivity in 400 °C, λ_{400} 0.116 W/mK

Thermal Conductivity in 500 °C, λ_{500} 0.157 W/mK

Values announced by manufacturer.

Other Information

Water repellency: Water repellent quality. Complies with the requirements set by BS 2972 Part 12 (even after preheated up to 250 °C). PAROC Pro Section WR 100 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 Pro Section 100 WR conforms to BS3958-4.



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