

PAROC Pro Lock 100

(PAROC Lock, PAROC Lock 100)



Short Description

Stone wool pipe section with a z-joint on the longitudinal and circumferential seams. Product is manufactured also with a water repellent grade (code WR will be added to the product description).

Application

Fire and thermal insulation of industrial pipework and chimneys.

Technical Properties

Maximum Operating 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.

Silicon added when manufactured as a water repellent grade.

Dimensions

Thickness

80-160 mm

Pipe Section Length

1000 mm

Inner Diameter

219-914 mm

Packaging

Carton on Pallet, Plastic on Pallet

Single Package Size

Carton 300x400x1200mm

Pallet Size

1200x1200mm

Fire Properties

Reaction to Fire, Euroclass

A₁_L

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.

Moisture Properties

Complies with the requirements set by BS 2972.

Environment

PAROC Pro Lock can be used to satisfy the requirements as given in the tables for Environmental Thickness in BS5422. 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 Lock conforms to BS3958 -4.



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