

# PAROC Lock



## Short Description

Stone wool pipe section with a z-joint on the longitudinal and circumferential seams.

## Application

Fire and thermal insulation of 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.

## Dimensions

### Thickness

80-160 mm

### Pipe Section Length

1000 mm

### Inner Diameter

219-914 mm

## Packaging

### Package Type

Carton on Pallet, Plastic on Pallet

### Single Package Size

Carton 300x400x1200mm

### Pallet Size

1200x1200mm

## Fire Properties

### Reaction to Fire, Euroclass

A1<sub>L</sub>

### In accordance with

EN 13501-1

## Thermal Properties

**Thermal Conductivity in 10 °C,  $\lambda_{10}$**  0.034 W/mK

**Thermal Conductivity in 50 °C,  $\lambda_{50}$**  0.037 W/mK

**Thermal Conductivity in 100 °C,  $\lambda_{100}$**  0.042 W/mK

**Thermal Conductivity in 150 °C,  $\lambda_{150}$**  0.049 W/mK

**Thermal Conductivity in 200 °C,  $\lambda_{200}$**  0.059 W/mK

**Thermal Conductivity in 300 °C,  $\lambda_{300}$**  0.083 W/mK

**Thermal Conductivity in 400 °C,  $\lambda_{400}$**  0.116 W/mK

**Thermal Conductivity in 500 °C,  $\lambda_{500}$**  0.157 W/mK

Values announced by manufacturer.

## Moisture Properties

Complies with the requirements set by BS 2972.

## Environment

PAROC 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 Lock conforms to BS3958 -4.



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This product data sheet replaces all earlier ones. Because of constant development all information is subject to change without notice.