

# PAROC Section



## Short Description

Stone wool pipe section. Product is manufactured also with a z-joint on the circumferential seam (code F3 will be added to the product name).

## Application

Fire and thermal insulation of pipings as well as fire, thermal and acoustical insulation of air ducts.

## Application / Marine

Fire and thermal insulation for pipes and ducts. Also possible to use with facings AluCoat, G4 and G7. See "Facings".

## 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.

Depth of the z-joint is 50 mm.

## Dimensions

### Thickness

20-160 (with z-joint 80-160) mm

### Pipe Section Length

1200/1000 mm

### Inner Diameter

12-1016 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>

### Fire Classification

Non-combustible

### Marine Fire Classification

Non-combustible

### In accordance with

EN 13501-1

### In accordance with

BS 476 Part 4

### In accordance with

IMO FTP Code Part 1

## Thermal Properties

**Thermal Conductivity in 10 °C, λ<sub>10</sub>** 0.034 W/mK

**Thermal Conductivity in 50 °C, λ<sub>50</sub>** 0.037 W/mK

**Thermal Conductivity in 100 °C, λ<sub>100</sub>** 0.042 W/mK

**Thermal Conductivity in 150 °C, λ<sub>150</sub>** 0.049 W/mK

**Thermal Conductivity in 200 °C, λ<sub>200</sub>** 0.059 W/mK

**Thermal Conductivity in 300 °C, λ<sub>300</sub>** 0.083 W/mK

**Thermal Conductivity in 400 °C, λ<sub>400</sub>** 0.116 W/mK

**Thermal Conductivity in 500 °C, λ<sub>500</sub>** 0.157 W/mK

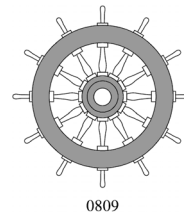
Values announced by manufacturer.

## Moisture Properties

Complies with the requirements set by BS 2972.

## Environment

PAROC Section 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 Section conforms to BS3958-4.



0809



PAROC OY AB, Technical Insulation, PO BOX 294, FI-01301 Vantaa, Tel. +358 46 876 8000, Fax +358 46 876 8003, www.paroc.com

Warranty: Our recommendations are based on our most up-to-date knowledge and experience. As the products are used outside our control we cannot take responsibility for any damage which may be caused when using the product. This product data sheet replaces all earlier ones. Because of constant development all information is subject to change without notice.