

Printed: 9.6.2011

Last Modified: 22.7.2010

# PAROC Pro Lock WR 100

(PAROC Lock 100 WR)



## Short Description

Water repellent stone wool pipe section with a Z-joint on the longitudinal and circumferential seams.

## Application

Insulation of industrial pipework with high temperatures.

## Technical Properties

### Nominal Density

100 kg/m<sup>3</sup>

### 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

80-160 mm

### Pipe Section Length

1200/1000 mm

### Inner Diameter

219-914 mm

## Packaging

Carton on pallet, plastic on pallet

### Single Package Size

Carton 300x400x1200 mm

### Pallet Size

1200x1200 mm

## Fire Properties

### Reaction to Fire, Euroclass

A1L

### 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 Part 12.

## Other Information

PAROC Lock 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 insulation systems proposed do in fact achieve the necessary performance criteria. PAROC Lock WR 100 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

The information in this data sheet represents the sole and comprehensive description of the condition of the product and its technical properties. However, the content of this data sheet does not mean granting a commercial guarantee. In so far as the product is used in an area of use which is not provided for in this data sheet, we cannot warrant its suitability for said area of use unless the suitability was expressly confirmed by us upon request. This data sheet replaces all previous ones. As a result of constant further development of our products we reserve the right to make alterations to data sheets. PAROC and red and white stripes are registered trade marks of Paroc Oy Ab. © Paroc Group 2011