

## DECLARATION OF PERFORMANCE

No. 40098

Unique identification code of the product-type	PAROC Chimney Section
Intended use/es	Thermal insulation for building equipment and industry
Manufacturer	Paroc Group, Energiakuja 3, FI-00180 Helsinki
System/s of AVCP	AVCP 1 for Reaction to fire, AVCP 3 for other properties
Harmonised standard	EN 14303:2009+A1:2013
Notified body/ies	No. 0809 - VTT Expert Services Ltd

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:  
Helsinki 1.3.2015



Paroc Oy Ab, Technical Insulation  
Tommi Siitonen, Development Manager

### Declared Performance/s

PROPERTY	VALUE	ACCORDING TO
<b>DIMENSIONAL STABILITY</b>		
Maximum Service Temperature - Dimensional Stability	640 °C	EN 14303:2009+A1:2013 (EN 14707)

<b>DURABILITY OF FIRE AND THERMAL PROPERTIES</b>	
Durability of Reaction to Fire Against Ageing/Degradation	The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of product is related to the organic content, which cannot increase with time.
Durability of Reaction to Fire Against High Temperature	The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature.
Durability of Thermal Resistance Against Ageing/Degradation	Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.
Durability of Thermal Resistance Against High Temperature	Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.

## Declared Performance/s

PROPERTY	VALUE	ACCORDING TO
<b>REACTION TO FIRE</b>		
Reaction to Fire, Euroclass	A1 <sub>L</sub>	EN 14303:2009 (EN 13501-1)
<b>THERMAL RESISTANCE</b>		
Thermal Conductivity (declared) in 50 °C, $\lambda_{50}$	0.040 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity (declared) in 100 °C, $\lambda_{100}$	0.046 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity (declared) in 200 °C, $\lambda_{200}$	0.064 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity (declared) in 300 °C, $\lambda_{300}$	0.092 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Dimensions and Tolerances	T8 for outer diameter < 150 mm, T9 for outer diameter $\geq$ 150 mm	EN 14303:2009+A1:2013
<b>WATER PERMEABILITY</b>		
Water Absorption, Short Term WS, $W_p$	$\leq$ 1 kg/m <sup>2</sup>	EN 14303:2009+A1:2013 (EN 1609)
<b>TRACE QUANTITIES OF WATER SOLUBLE IONS AND THE PH VALUE</b>		
Chloride Ions, Cl <sup>-</sup>	< 10 ppm	EN 14303:2009+A1:2013 (EN 13468)