

DECLARATION OF PERFORMANCE

No. 10160-CPR-2013/07/01

1. Unique identification code of the product-type:
PAROC ROS 20t
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):
See product label
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
Thermal insulation for buildings
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):
Paroc Group
Energiakuja 3
FI-00180 Helsinki
5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
System 1
6. In case of the declaration of performance concerning a construction product covered by a harmonised standard:
Notified certification body No. 0809 – VTT Expert Services Ltd performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of the factory production control under system 1 and issued the EC-certificate of conformity.

7. Declared performance

Reaction to Fire		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Reaction to Fire, Euroclass	A1	EN 13162:2008 (EN 13501-1)

Thermal Resistance		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Thermal Resistance	See product label	EN 13162:2008
Thermal Conductivity λ_D	0,035 W/mK	EN 13162:2008 (EN 13162)
Insulation Thickness	See product label	EN 13162:2008
Thickness Tolerance, T	T5	EN 13162

Water Permeability		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Water Absorption, Short Term W_S, W_p	$\leq 1 \text{ kg/m}^2$	EN 13162:2008 (EN 1609)
Water Absorption, Long Term $W_L(P), W_{lp}$	$\leq 3 \text{ kg/m}^2$	EN 13162:2008 (EN 12087)

Water Vapour Permeability		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Water Vapour Transmission MU, μ	1	EN 13162:2008 (EN 12086)

Compressive Strength		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Compressive Stress at 10 % deformation $CS(10), \sigma_{10}$	20 kPa	EN 13162:2008 (EN 826)
Point Load $PL(5)$	150 N	EN 13162:2008 (EN 12430)

Durability of Reaction to Fire Against Heat, Weathering, 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 Thermal Resistance Against Heat, Weathering, 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.

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:
Paroc Oy Ab, Building Insulation:
Susanna Tykkä-Vedder, Development Manager

Helsinki 3.6.2013

A handwritten signature in blue ink, appearing to read "Susanna Tykkä-Vedder".

(signature)