DECLARATION OF PERFORMANCE

No. 10166

Unique identification code of the product-type	PAROC ROS 50
Intended use/es	Thermal insulation for buildings
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 13162:2012+A1:2015
Notified body/ies	No. 0809 - Eurofins 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 29.6.2018

Marjut Haapala

Paroc Oy Ab, Building Insulation
Marjut Haapala, Product Certification Manager

Declared Performance/s

PROPERTY	VALUE	ACCORDING TO
DIMENSIONAL STABILITY		
Dimensional Stability at Specified Temperature, DS(70,-)	≤ 1 %	EN 13162:2012 + A1:2015 (EN 1604)
DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGEING/DEGRADATION		
Compressive Creep CC(i1/i2/y)σ_c, X_{ct}	NPD	EN 13162:2012 + A1:2015 (EN 1606)

DURABILITY OF FIRE AND THERMAL PROPERTIES	
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.

Declared Performance/s

PROPERTY	VALUE	ACCORDING TO
REACTION TO FIRE		
Reaction to Fire, Euroclass	A1	EN 13162:2012 + A1:2015 (EN 13501-1)
CONTINUOUS GLOWING COMBUSTION		
Continuous Glowing Combustion	NPD	EN 13162:2012 + A1:2015
THERMAL RESISTANCE		
Thermal Resistance	See attachment	EN 13162:2012 + A1:2015
Thermal Conductivity λ_D	0,038 W/mK	EN 13162:2012 + A1:2015 (EN 13162)
Thickness Tolerance, T	T5	EN 13162:2012 + A1:2015 (EN 823)
DIRECT AIRBORNE SOUND INSULATION INDEX		
Air Flow Resistivity AF_R	NPD	EN 13162:2012 + A1:2015 (EN 29053)
WATER PERMEABILITY		
Water Absorption, Short Term WS, W_p	≤ 1 kg/m²	EN 13162:2012 + A1:2015 (EN 1609)
Water Absorption, Long Term WL(P), W_{lp}	≤ 3 kg/m²	EN 13162:2012 + A1:2015 (EN 12087)
WATER VAPOUR PERMEABILITY		
Water Vapour Resistance Z	NPD	EN 13162:2012+A1:2015
Water Vapour Transmission MU, μ	1	EN 13162:2012 + A1:2015 (EN 12086)
ACOUSTIC ABSORPTION INDEX		
Sound Absorption	NPD	EN 13162:2012 + A1:2015 (EN ISO 354)
IMPACT NOISE TRANSMISSION INDEX (FOR FLOORS)		
Dynamic Stiffness SD	NPD	EN 13162:2012 + A1:2015 (EN 29052-1)
COMPRESSIVE STRENGTH		
Compressive Stress at 10 % deformation CS(10), σ_{10}	50 kPa	EN 13162:2012 + A1:2015 (EN 826)
Compressive Strength CS(Y), σ_m	NPD	EN 13162:2012 + A1:2015 (EN 826)
Point Load PL(5)	450 N	EN 13162:2012 + A1:2015 (EN 12340)
TENSILE/FLEXURAL STRENGTH		
Tensile Strength Perpendicular to Faces TR, σ_{mt}	NPD	EN 13162:2012 + A1:2015 (EN 1607)
RELEASE OF DANGEROUS SUBSTANCES TO THE INDOOR ENVIRONMENT		
Release of Dangerous Substances	NPD	EN 13162:2012 + A1:2015