DECLARATION OF PERFORMANCE

No. 40340

Unique identification code of the product-type	PAROC Fire Steel Protect AluCoat
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 14303:2009+A1:2013
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



Paroc Group Oy, Technical Insulation
Saku Lipasti, Product Data and Project Manager

Declared Performance/s

PROPERTY	VALUE	ACCORDING TO
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 Ageing/Degradation	No change in reaction to fire properties for mineral wool products. The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the 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.

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 Conductivity λ_D	0,038 W/mK	EN 13162:2012 + A1:2015
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	6,00 m²hPa/mg	EN 13162:2012+A1:2015
Water Vapour Transmission MU, μ	NPD	EN 13162:2012 + A1:2015
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}	NPD	EN 13162:2012 + A1:2015 (EN 826)
Compressive Strength CS(Y), σ_m	NPD	EN 13162:2012 + A1:2015 (EN 826)
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