

DECLARATION OF PERFORMANCE

No. 40341

Unique identification code of the product-type	PAROC Fire Steel Protect N1
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



Paroc Oy Ab, Building Insulation
Susanne Fagerlund, Development Manager

Declared Performance/s

PROPERTY	VALUE	ACCORDING TO
DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGEING/DEGRADATION		
Compressive Creep $CC(i1/i2/y)\sigma_c, X_{ct}$	NPD	EN 13162:2012 + A1:2015 (EN 1606)

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	$\leq 1 \text{ kg/m}^2$	EN 13162:2012 + A1:2015 (EN 1609)
Water Absorption, Long Term WL(P), W_{lp}	$\leq 3 \text{ kg/m}^2$	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}	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