

## 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
<b>DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGEING/DEGRADATION</b>		
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
<b>REACTION TO FIRE</b>		
Reaction to Fire, Euroclass	A1	EN 13162:2012 + A1:2015 (EN 13501-1)
<b>CONTINUOUS GLOWING COMBUSTION</b>		
Continuous Glowing Combustion	NPD	EN 13162:2012 + A1:2015
<b>THERMAL RESISTANCE</b>		
Thermal Conductivity $\lambda_D$	0,038 W/mK	EN 13162:2012 + A1:2015
<b>WATER PERMEABILITY</b>		
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)
<b>WATER VAPOUR PERMEABILITY</b>		
Water Vapour Resistance Z	NPD	EN 13162:2012+A1:2015
Water Vapour Transmission MU, $\mu$	1	EN 13162:2012 + A1:2015 (EN 12086)
<b>ACOUSTIC ABSORPTION INDEX</b>		
Sound Absorption	NPD	EN 13162:2012 + A1:2015 (EN ISO 354)
<b>IMPACT NOISE TRANSMISSION INDEX (FOR FLOORS)</b>		
Dynamic Stiffness SD	NPD	EN 13162:2012 + A1:2015 (EN 29052-1)
<b>COMPRESSIVE STRENGTH</b>		
Compressive Stress at 10 % deformation CS(10), $\sigma_{10}$	NPD	EN 13162:2012 + A1:2015 (EN 826)
Compressive Strength CS(Y), $\sigma_m$	NPD	EN 13162:2012 + A1:2015 (EN 826)
<b>TENSILE/FLEXURAL STRENGTH</b>		
Tensile Strength Perpendicular to Faces TR, $\sigma_{mt}$	NPD	EN 13162:2012 + A1:2015 (EN 1607)
<b>RELEASE OF DANGEROUS SUBSTANCES TO THE INDOOR ENVIRONMENT</b>		
Release of Dangerous Substances	NPD	EN 13162:2012 + A1:2015