

# DECLARATION OF PERFORMANCE

No. 50003

Unique identification code of the product-type	PAROC Fire Steel Protect PAROC Fire Steel Protect N1 PAROC Fire Steel Protect AluCoat PAROC Fire Steel Protect N1AluCoat
Intended use/es	Fire protection of loadbearing steel structures
Manufacturer	Paroc Group, Energiakuja 3, FI-00180 Helsinki
System/s of AVCP	System 1 (for fire properties)
European Technical Assessment	ETA-18/0265
Standard	EAD 350142-00-1106
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 21.2.2022



Paroc Group Oy, Technical Insulation  
Dmitriy Bolotov, Product Data and Project Manager

## Declared Performance(s)

PROPERTY	VALUE	ACCORDING TO
<b>SAFETY IN CASE OF FIRE</b>		
Reaction to Fire, Euroclass	A1	EN 13501-2:2016
Resistance to Fire	R30 - R 240 depending on the thickness of PAROC Fire Steel Protect, PAROC Fire Steel Protect N1, PAROC Fire Steel Protect AluCoat, PAROC Fire Steel Protect N1AluCoat, steel beam type and temperature limit	EN 13501-2:2016, EN 13381-4:2013
<b>HYGIENE, HEALTH AND ENVIRONMENT</b>		
Water permeability	No performance assessed	
<b>SAFETY AND ACCESSIBILITY IN USE</b>		
Flexural strength	No performance assessed	
Dimensional stability	1 %	EN 1604
<b>ENERGY ECONOMY AND HEAT RETENTION</b>		
Thermal conductivity	0,038 W/mK	
Water vapour transmission coefficient MU, $\mu$	PAROC Fire Steel Protect, PAROC Fire Steel Protect N1: 1	
Water vapour resistance coefficient Z	PAROC Fire Steel Protect AluCoat: 6,00 m <sup>2</sup> hPa/mg PAROC Fire Steel Protect N1AluCoat: 6,00 m <sup>2</sup> hPa/mg	
<b>DURABILITY AND SERVICEABILITY</b>		
Working life of the boards is 25 years for the intended use Z <sub>2</sub> , (internal use), if not more than accidental wetting and no frosting inside the building is to be expected.		