

Unique identification code of the product type: **THERMACLASS CAVITY WALL 21**

Intended use(s): **Thermal insulation for buildings**

Manufacturer: **SOPREMA UK Ltd  
SOPREMA House, Freebournes Road, Witham  
ESSEX  
CM8 3UN  
United Kingdom**

System(s) of AVCP: **System 4 (Reaction to fire)  
System 3 (Other characteristics)**

Designated standard **EN 13165:2012+A2:2016**

Approved body/ies: **0836**

Declared performances

Essential characteristics	Performances	Test standard	Designated standard
Thermal conductivity - $\lambda_D$ (W/(mK)) 65 ≤ d ≤ 140 mm	0,021	EN 12667	EN 13165:2012 + A2:2016
Thermal resistance - $R_D$ (m <sup>2</sup> .K/W) 65-140 mm	3,05-6,65	EN 12667	
Thickness tolerance- $d_N$ (mm)	T2	EN 823	
Reaction to fire	F	EN 13501-1	
Durability of reaction to fire against heat, weathering, ageing/degradation	F <sup>1</sup>	EN 13501-1	
Durability of thermal resistance against heat, weathering, ageing/degradation			
- Thermal conductivity - $\lambda_D$ (W/mK) 65 ≤ d ≤ 140 mm	0,021	EN 12667	
- Thermal resistance - $R_D$ (m <sup>2</sup> .K/W) 65-140 mm	3,05-6,65	EN 12667	
- Dimensional stability (%)	DS(70,90)3	EN 1604	
- Deformation under specified compressive load and temperature conditions (%)	NPD	EN 1605	
Compressive strength at 10 % deformation (kPa)	CS(10Y)120	EN 826	
Tensile strength perpendicular to faces (kPa)	NPD	EN 1607	
Durability of compressive creep against ageing/degradation (kPa)	NPD	EN 1606	
Short term water absorption	WS(P)0,1	EN 1609	
Long term water absorption by immersion	NPD	EN 12087	
Flatness after partial immersion	NPD	EN 825	
Water vapour diffusion resistance - $\mu$	NPD	EN 12086	
Acoustic absorption index	NPD	EN 354	
Continuous glowing combustion	NPD <sup>2</sup>	-	
Dangerous substances	NPD <sup>2</sup>	-	

NPD = no performance determined

1) The fire performance does not deteriorate with time

2) In the absence of European harmonized test methods, verification and declaration on release and content has to be done taking into account national provisions in the place of use

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of conformity is issued, in accordance with UK Regulation, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: **Marnix Derks, Technical Director**  
**Witham, 3/07/2024**

