

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

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

Manufacturer: **Soprema UK Ltd  
Lady Lane Industrial Estate,  
Hadleigh, Ipswich, Suffolk,  
IP7 6BA  
United Kingdom**

System(s) of AVCP: **System 3**

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)) $65 \leq d \leq 140$ mm           | 0,021                    | EN 12667      | EN 13165:2012 + A2:2016 |
| Thermal resistance - $R_D$ ( $m^2.K/W$ ) $65-140$ 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) $65 \leq d \leq 140$ mm           | 0,021                    | EN 12667      |                         |
| - Thermal resistance - $R_D$ ( $m^2.K/W$ ) $65-140$ mm                        | 3,05-6,65                | EN 12667      |                         |
| - Dimensional stability (%)   | DS(70,90)3<br>DS(-20,-)1 | EN 1604       |                         |
| - Deformation under specified compressive load and temperature conditions (%) | NPD                      | EN 1605       |                         |
| Compressive strength at 10 % deformation (kPa)                                | CS(10\Y)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>         | -             |                         |

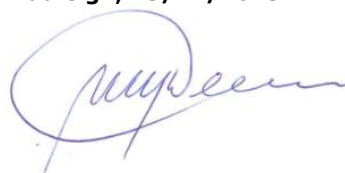
NPD = no performance determined

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 UK declaration of performance 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  
Hadleigh, 25/11/2025**



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