

Unique identification code of the product type: **CELOTEX XR4000**

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

Manufacturer: **Soprema Insulation Ltd T/A Celotex  
Lady Lane Industrial Estate,  
Hadleigh, Ipswich, Suffolk,  
IP7 6BA  
United Kingdom**

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

Harmonised 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)) $110 \leq d \leq 200$ mm	0,022	EN 12667	EN 13165:2012 + A2:2016
Thermal resistance - $R_D$ ( $m^2.K/W$ ) $110-200$ mm	5,00-9,05	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 against heat, weathering, ageing/degradation			
- Thermal conductivity - $\lambda_D$ (W/mK) $110 \leq d \leq 200$ mm	0,022	EN 12667	
- Thermal resistance - $R_D$ ( $m^2.K/W$ ) $110-200$ mm	5,00-9,05	EN 12667	
- Dimensional stability (%)	DS(70,90)3 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)140	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	NPD	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>	-	

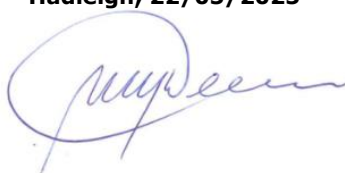
NPD = no performance determined

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, 22/05/2025**



Soprema Insulation Ltd T/A Celotex reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.