

Unique identification code of the product type: **SOPRALENE TECHNO GARDEN 4 AF C1 FR**

Intended use(s): **Reinforced bituminous sheet for roof waterproofing**

Manufacturer: **Soprema NV
Bouwvelven 5 - 2280 Grobbendonk
Belgium**

System(s) of AVCP: **system 2+**

Harmonised standard: **EN 13707:2004 + A2:2009**

Notified body/ies: **0749**

Declared performances

Essential characteristics	Performances	Test standard	Harmonised standard
External fire performance (note 1)	F _{ROOF} (t1, t2, t3, t4)	EN 13501-5	EN 13707:2004 + A2:2009
Reaction to fire	NPD	EN 13501-1	
Watertightness	pass	EN 1928-A	
Tensile strength: longitudinal (N/50 mm)	850 ± 20 %	EN 12311-1	
transversal (N/50 mm)	650 ± 20 %		
Elongation at maximum tensile strength: longitudinal (%)	35 ± 15 abs		
transversal (%)	35 ± 15 abs		
Resistance to root penetration	pass	EN 13948	
Resistance to static loading (kg)	≥ 15	EN 12730-A	
Resistance to impact (mm)	≥ 1000 ≥ 1500	EN 12691-A EN 12691-B	
Resistance to tearing (nail shank) (N)	200 -0/+50 %	EN 12310-1	
Joint properties: peel resistance (N/50 mm)	100 -0/+50 %	EN 12316-1	
shear resistance (N/50 mm)	500 -0/+50 %	EN 12317-1	
Behaviour after artificial aging	NPD	EN 1297	
durability UV, heat and water		EN 1110	
flow resistance at elevated temperature (°C)	100 -0/+20	EN 1109	
flexibility at low temperature (°C)	-10 -15/+0	EN 1109	
Flexibility at low temperature (°C)	≤ -20	EN 1109	
Dangerous substances (note 2)	note 3	-	

NPD = no performance determined

- 1) since external fire performance depends on the other components of the roof build-up, no performance can be given
- 2) this product does not contain asbestos or tar constituents
- 3) 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 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: **Marnix Derks, Technical Director
Grobbendonk, 28/10/2019**

