

# DECLARATION OF PERFORMANCE

N° WPBBE0318

Unique identification code of the product type: **SOPRALENE FLAM 180 AF**  
 Intended use(s): **Reinforced bituminous sheet for roof waterproofing**  
 Manufacturer: **Soprema NV  
Bouwelven 5, 2280 Grobbendonk  
Belgium**  
 System(s) of AVCP: **system 2+**  
 Harmonised standard: **EN 13707:2004 + A2:2009**  
 Notified body/ies: **Notified body 0749**

## Declared performances

Essential characteristics	Performances	Test standard	Harmonised standard
External fire performance (note 1)	F <sub>ROOF</sub> (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 (%)	45 ± 15 abs		
transversal (%)	45 ± 15 abs		
Resistance to root penetration	NPD	EN 13948	
Resistance to static loading (kg)	NPD	EN 12730-A	
Resistance to impact (mm)	NPD	EN 12691-A	
Resistance to tearing (nail shank) (N)	175 -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 durability UV, heat and water	NPD	EN 1287	
flow resistance at elevated temperature (°C)	100 -0/+20	EN 1110	
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, 17/10/2017**



SOPREMA NV 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.