

# DERBIGUM® SP FR

*The Fire Resistant APP-Bitumen Waterproofing Membrane*

## Composition of the membrane :

- ▶ DERBIGUM SP FR is composed of a blend made of a specific bitumen modified by noble polymers (high-grade APP also called TPO) & two distinct reinforcements, fiberglass & non-woven polyester.
- ▶ The specificity of the blend & the raw materials chosen ensures its durability & fire resistance.
- ▶ The fiberglass sees to its perfect dimensional stability and heat & UV resistance.
- ▶ The non-woven polyester cares for its resistance to impacts & tearing.



## Technical characteristics

	Test method	Expression of result	Values	Units
Flow resistance	EN 1110	MLV	≥ 140	°C
Cold bending	EN 1109	MLV	≤ -15	°C
Tensile strength L/T	EN 12311-1	MDV (±20%)	700/650	N/50 mm
Elongation at break L/T	EN 12311-1	MDV (±15)	45/45	%
Overlap shrink	BDA* test	MLV	0	mm
Dimensional stability	EN 1107-1	MLV	≤ 0.20	%
Tear resistance	EN 12310-1	MLV	≥ 150	N
Resistance to impact	EN 12691(B)	MLV	≥ 1750	mm
Resistance to static load	EN 12730(A)	MLV	≥ 20	kg

MLV : Manufacturer Limited Value / MDV : Manufacturer Determined Value

\*BDA = Bureau Dak Advies (NL)

## Special characteristics

- Fire resistance In accordance with EN 13501-5, Classification BROOF (t1), (t2), (t3) following method ENV 1187
- Durability **> 30 years** proven by durability studies conducted in different European countries - reports available upon request

## Presentation of the product

	Test method	Expression of result	Values	Units
Thickness	EN 1849-1	MDV (±0,2)	3 4 5	mm
Width	EN 1848-1	MLV	1,10 1,10 1,10	m
Length	EN 1848-1	MLV	12,73 7,27 5,46	m
Surface		MLV	14 8 6	m <sup>2</sup>
Roll weight		MDV (±2,0)	45 35 32	kg
Number of rolls per pallet			20 25 25	

## Storage

Rolls must be carried and stored in a vertical position. The floor must be regular and free of sharped objects.



**CERTIFIED B ROOF (t1, t2, t3)**  
NBN ENV 1187 (test 1, 2, 3)



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**DERBIGUM®**  
MAKING BUILDINGS SMART

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