

ARMEX ROOF PLASTO waterproofing membrane Technical Data Sheet

rev. 03/2010

- **ARMEX ROOF PLASTO** is a prefabricated modified polymer-bitumen membrane whose compound is composed of distilled bitumen and plastomers (APP), reinforced with a Woven non Woven Spunbonded polyester doubled with a grid mat of glass fibre filaments, with excellent mechanical properties such as tensile strength, puncture resistance and tear strength, furthermore the modified compound offers excellent ageing properties, cold flexibility (-5°C), durability and a high elasticity.
- These characteristics make it the ideal product for those applications which requires waterproofing membranes with **great strength on mechanical fixing over the metal roofs**.
- **ARMEX ROOF PLASTO** is available with a polyethylene film, sand or TNT (polypropylene mat) finish on the upper face to prevent the roll from sticking to itself and benefits the unrolling of the product during installation.
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- The lower face of both **ARMEX ROOF PLASTO** is backed by a special polyethylene burn-off film which melts during torching and prevents the roll from sticking to itself. The correct application temperature is visible from the lightly embossed surface of the membrane which is below the burn off film, when the correct application temperature is reached, this embossment melts also helping vapor diffusion and avoiding blistering.
- Area of use : wood, metal decks, on EPS or mineral wool insulation – by mechanical fixing

Technical properties	M.U.	ARMEX ROOF PLASTO	Tolerances
Reinforcement		spunbond polyester GRID	
Upper side finish	type	sand / polyethylene film / TNT	
Lower side finish	type	burn off polyethylene film	
Roll length (EN 1848-1)	m	10	± 0,2 %
Roll width (EN 1848 –1)	m	1	± 1 %
Nominal thickness (EN 1849 – 1)	mm	2 / 3	± 7 %
Cold flexibility (EN 1109)	°C	-5	± 2 °C
Tensile strength (EN 12311-1)			
-longitudinal	N/ 5 cm	800	± 20 %
-transversal		600	
Ultimate elongation (EN 12311-1)			
-longitudinal	%	50	± 20 %
-transversal		50	
Tear resistance (EN 12310 – 1)	N	250 / 220	± 20 %
Resistance to static loading (EN 12730)	kg	25	min
Dimensional stability (EN 1107 –1)	%	0,2	max
Flow resistance (EN 1110)	°C	130	min
Watertightness (EN 1928)	Kpa	60	min
Reaction to fire (EN 13501-1)	class	F	