

## ARMODILLO POLYESTER ANTIROOT

**(SPECIAL WATERPROOFING, MULTI-FUNCTIONAL POLYMER-BITUMEN MEMBRANES. IT IS ELASTOPLASTOMERIC, REINFORCED AND PROTECTIVE FOR WATERPROOFING THE GROUND FOUNDATION WALLS)**

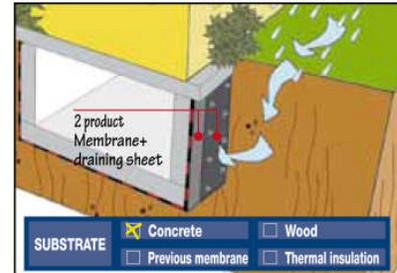
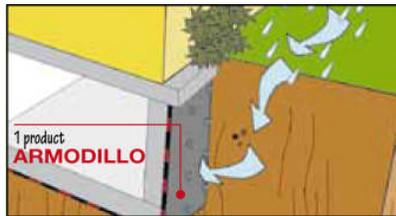
**HOW TO WATERPROOF, DRAIN AND PROTECT FOUNDATION WALLS WITH ONE PRODUCT?**

### Description

ARMODILLO is a membrane with integrated functions for protecting and draining the waterproofing system and solves the problems of waterproofing, mechanical protection and drainage with one single product.

ARMODILLO is a membrane manufactured from a "phase inversion" compound containing distilled bitumen, selected for industrial use, with a high content of elastomeric and plastomeric polymers where the polymers, in which the bitumen is dispersed, form the most consistent ingredient. The membrane is reinforced with puncture and tear resistant non-woven polyester fabric with a high ultimate elongation value.

The upper face of the membrane is armored with resistant and elastic polymer-bitumen plates that protect the membrane from perforation when it is being buried and at the same time form an efficient drainage network which allows any water to quickly drain to the perimeter drains, stopping dangerous pooling. If the plates are torched they become adhesive making it possible to bond insulating panels, non-woven fabrics and other materials on the membrane. ARMODILLO makes bonding the membrane to foundation walls without getting burnt easy.



When laying a smooth membrane on vertical surfaces the installer can burn his hands while holding the roll, but the bubbles on ARMODILLO keep the installer's hands away from the torch making installation much easier and safer.

The insulating product can be applied by torching without using bitumen and nails. A smooth, indented side strip 70-mm wide, allows welding of side overlaps. Lower face is covered by flamina, a plastic film that can be easily torched.

### Applications field

ARMODILLO can be used on both flat and vertical parts of a building, either alone or with other membranes as a protective and draining layer. The special configuration of the upper face, similar to the plates of an Armadillo's shell, from where the name of the membrane comes, protects the membrane while it is being laid underground.

Below you will find the main fields of use for ARMODILLO for which four stratigraphic systems have been planned:

- DRY-OUT: for waterproofing and draining foundation walls.
- DRY-IN: for the hygienic refurbishment of damp cellars.

Method of use	Torch Application	Hot Air Applicatio	Nailing	With Oxidized Bitumen
	✓	✓	✓	✓

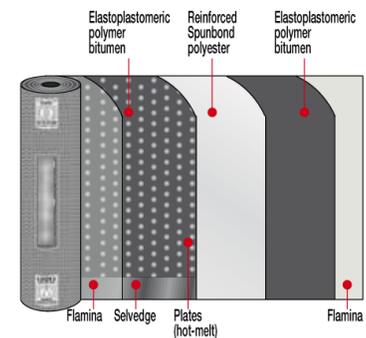
Loading Table (in Metric Tons)	Product specifications			Loading in 20' FCL	
	Weight	m <sup>2</sup> /roll	Rolls/pallet	Pallets	M <sup>2</sup>
Armodillo Polyester	5 kg/m <sup>2</sup>	7,5 m <sup>2</sup>	20	20	3000

TECHNICAL SPECIFICATIONS			
ARMODILLO POLYESTER			
	STANDARD	T	Data
Reinforcement			"Non-woven" Spunbond polyester
Weight Mass per Unit Area	EN 1849-1	±0,2 ±12%	50kg/m <sup>2</sup>
Roll size	EN 1848-1		1x7,5m
Watertightness After Ageing	EN 1928 – B EN1926–1928	≥	60 kPa 60 kPa
Shear resistance L/T	EN 12317-1	20%	500/300 N/50mm
Maximum tensile force L/T	EN 12311-1	-20%	600/400 N/50mm
Elongation L/T	EN 12311-1	15%	35/40%
Resistance to Impact	EN 12691 – A		1250mm
Resistance to Static Loading	EN 12730 A		25 kg
Resistance to tearing (nail shank) L/T	EN 12310-1	-30%	170/170N
Flexibility to low temperature	EN 1109	≤	NPD
Reaction to Fire - Euroclass	EN 13501-1		
Thermal Specifications			
Thermal conductivity			0.2 W/mK
Heat capacity			6.5 KJ/K

CE

**INTENDED USE OF "CE" MARKING SPECIFIED ACCORDING TO THE AISPEC-MBP GUIDELINES**

**EN 13969 - BITUMEN**  
DAMP PROOF SHEET  
INCLUDING BITUMEN



### Finishing

INDENTATED FLAMINA. Plastic protection film helping prevent coils from sticking to the roll. As it withdraws under the action of the flame right during its installation, it signals the best melting point in order to correctly glue the membrane to the brackets and rises. When not heated, it can be used as a sliding layer.



### ADVANTAGES

- A waterproofing, protective and draining layer in one multifunctional product.
- The protective plates are heat-adhesive when torched so, with no additional costs for adhesives, you can bond other materials that won't move during refilling.
- Multifunctional waterproofing and draining membrane: foundation walls, cellars, roof gardens, underfloor.
- The insulated rustications protect the hands of the installer from burns.
- It resists to puncturing more than HDPE products

CATEGORY	CHARACTERISTICS			ENVIRONMENTAL							METHOD OF USE			
														
SPECIAL ELASTOPLASTOMERIC FOR SPECIFIC USES	WATERPROOF	VAPOUR BARRIER	REACTION TO FIRE	ECO GREEN	ASBESTOS FREE	TAR FREE	CHLORINE FREE	RECYCLABLE	NON DANGEROUS WASTE	EXHAUSTED OIL FREE	TORCH APPLICATION	HOT AIR APPLICATION	NAILING	APPLICATION WITH MOLTEN BLOWN BITUMEN