

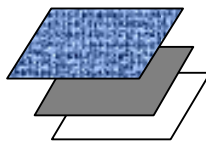
ARCO RESPIRANTE underlayment membranes Technical Data Sheet

rev. 03/2010

- ARCO RESPIRANTE underlayment is a complete waterproofing membranes, designed specially for pitched roofs. The waterproofing compound is made from distilled bitumen and APP plastomers, impregnated over a light and flexible spunbond polyester carrier with great mechanical characteristics such as tensile strenght and nail tearing strengt. Moreover, the compound itself offers good ageing properties and high temperature resistance.
- The benefits of using the ARCO RESPIRANTE underlayment are :
 - **waterproofing** – the product offers excellent waterproofing performance that is superior to felt
 - **prevent the condensation** between the insulation and the shingles or tiles, allowing instead the water vapour's flow
 - **durability** – the product holds nails better and offers resistance to punctures and tears that can occur during normal application
 - **lighter weight** – easier movement and handling on the roof
 - **slip resistance** – less slippery than syntetics, allows for safer and quicker instalation

Technical properties	M.U.	ARCO RESPIRANTE			Tolerances
Reinforcement		polyester			
Roll length (EN 1848-1)	m	20			± 0,2 %
Roll width (EN 1848 –1)	m	1			± 1 %
Nominal weight (EN 1849 – 1)	kg/m ²	0,45			± 7 %
Nominal thickness (EN 1849 – 1)	mm	0,50			± 7 %
Tensile strength (EN 12311-1)					
-longitudinal	N / 5 cm	500			± 20 %
-transversal		400			
Ultimate elongation (EN 12311-1)					
-longitudinal	%	35			± 20 %
-transversal		40			
Flow resistance (EN 1110)	°C	150			min
Nail tear resistance (EN 12310 – 1), L / T	N	200 / 200	130 / 120	130 / 120	± 20 %
Water vapour permeability (EN 13859-1)	Sd/m	10			± 5 %
Resistance to water penetration	Class	W 1			
Upper side finish	material	TNT polypropylene mat			
Lower side finish		non-impregnated			
Compound		APP modified bitumen			
Application		Mechanical fixing			

- ARCO RESPIRANTE**
- TNT polypropylene mat
 - bituminous compound
 - reinforcement



Packing : 20 m / rolls; 49 rolls / pallet; 22 pallet / truck

Storage : the rolls must be stored in an upright position, protected from extreme cold or sun exposure.

The pallets shall not be stacked one over other.