

ARCO UTIL underlayment membranes Technical Data Sheet

- ARCO UTIL 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 (TNT/PE) or glass fibre (TNT/PE-SV) carrier with great mechanical characteristics such as tensile strength and nail tearing strength. Moreover, the compound itself offers good ageing properties and high temperature resistance.
- The benefits of using the UTIL underlayment are :
 - **waterproofing** – the product offers excellent waterproofing performance that is superior to felt
 - **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 synthetics, allows for safer and quicker installation

Technical properties	M.U.	TNT/PE	TNT/PE-SV	Tolerances
Reinforcement		polyester	glass fibre	
Roll length (EN 1848-1)	m	20	20	± 0,2 %
Roll width (EN 1848 –1)	m	1	1	± 1 %
Nominal weight (EN 1849 – 1)	kg/m ²	0,600	1,000	± 7 %
Nominal thickness (EN 1849 – 1)	mm	0,8	0,9	± 7 %
Tensile strength (EN 12311-1)				
-longitudinal	N / 5 cm	500	400	± 20 %
-transversal		350	300	
Ultimate elongation (EN 12311-1)				
-longitudinal	%	35	2	± 20 %
-transversal		40	2	
Flow resistance (EN 1110)	°C	150	150	min
Nail tear resistance (EN 12310 – 1), L / T	N	140 / 120	60 / 60	± 20 %
Water vapour permeability (EN 13859-1)	Sd/m	25	25	± 5 %
Resistance to water penetration	Class	W 1	W 1	
Upper side finish	material	TNT polypropylene mat	TNT polypropylene mat	
Lower side finish		PE microperforated film	PE microperforated film	
Compound	APP modified bitumen			
Application	Mechanical fixing			

TNT / PE

- TNT polypropylene mat
- bituminous compound
- reinforcement
- bituminous compound
- PE microperforated film



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

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

The pallets shall not be stacked one over other.