

ELASTECH 1000 waterproofing membrane Technical Data Sheet

rev. 03/2010

- **ELASTECH 1000 & mineral ELASTECH 1000** are prefabricated modified polymer-bitumen membranes whose compound is composed of distilled bitumen and styrene butadiene styrene (SBS), reinforced with a composite polyester fabric with longitudinal reinforcing threads or fibreglass mat.. The modified compound offers good ageing properties, cold flexibility (-15°C), durability and elasticity.
- **ELASTECH 1000 (P)** and **ELASTECH 1000 (V)** are available with 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.
- **Mineral ELASTECH 1000 (PA)** and **mineral ELASTECH 1000 (VA)** are supplied with mineral slate chips which are available in natural or coloured version. This mineral finish acts as a weathering surface and enhances the aesthetics after application. A 10 cm side selvedge and a 15 cm end lap selvedge is provided to allow easy alignment of the membrane during application.
- The lower face of both **ELASTECH 1000 & mineral ELASTECH 1000** 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 vapour diffusion and avoiding blistering.
- **ELASTECH 1000 (P) & mineral ELASTECH 1000 (PA)**, due to the polyester reinforcement doubled with glass fibre longitudinal reinforcing threads, offers a very good static and dynamic puncture resistance, tensile strength, both longitudinal and transversal, and ultimate elongation.
- **ELASTECH 1000 (V) & mineral ELASTECH 1000 (VA)** on the other hand offers excellent dimensional stability and is normally used as a first layer in a two layer system or as a cap sheet, mineral slate version over a polyester.

Technical properties	M.U.	ELASTECH 1000		Tolerances
		V (VA)	P (PA)	
Reinforcement		glass fibre	polyester	
Roll length (EN 1848-1)	M	10		± 0,2 %
Roll width (EN 1848 –1)	M	1		± 1 %
Nominal weight (EN 1849 – 1)	kg/m ²	3 / 3,5 / 4 / 4,5 / 5		± 7 %
Nominal thickness (EN 1849-1)	mm	3, 4		± 7 %
Tensile strength (EN 12311-1)				
-longitudinal	N/ 5 cm	450	650	± 20 %
-transversal		350	500	
Ultimate elongation (EN 12311-1)				
-longitudinal	%	2	45	± 20 %
-transversal		2	45	
Cold flexibility (EN 1109)	°C	-15		± 2 °C
Dimensional stability (EN 1107 –1)	%	0,1	0,2	max
Flow resistance (EN 1110)	°C	120		min
Shear resistance of joint (EN 12317-1)	N/5 cm	500 / 500		min
Resistance to static loading (EN 12730)	kg	5	25	min
Watertightness (EN 1928)	Kpa	60		min
Reaction to fire	Class	F		