

ELASTECH 5000 waterproofing membrane Technical Data Sheet

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- ELASTECH 5000 & mineral ELASTECH 5000** are prefabricated modified polymer-bitumen membranes whose compound is composed of distilled bitumen and styrene butadiene styrene (SBS), reinforced with a composite "SPUNBOND" polyester fabric with longitudinal reinforcing threads. The modified compound offers good ageing properties, cold flexibility (-25°C), durability and elasticity.
- ELASTECH 5000 (P)** are 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.
- Mineral ELASTECH 5000 (PA)** 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 5000 & mineral ELASTECH 5000** 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 5000 (P) & mineral ELASTECH 5000 (PA)**, due to the polyester reinforcement doubled with glass fibre scrim reinforcing threads, offers a very good static and dynamic puncture resistance, tensile strength, both longitudinal and transversal, and ultimate elongation.

Technical properties	M.U.	ELASTECH 5000	Tolerances
		P (PA)	
Reinforcement		SPUNBOND 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 %
Cold flexibility (EN 1109)	°C	-25	± 2 °C
Tensile strength (EN 12311-1)			
-longitudinal	N/ 5 cm	850	± 20 %
-transversal		600	
Ultimate elongation (EN 12311-1)			
-longitudinal	%	50	± 20 %
-transversal		50	
Dimensional stability (EN 1107 -1)	%	0,2	max
Flow resistance (EN 1110)	°C	120	min
Resistance to static loading (EN 12730)	kg	25	min
Shear resistance of joint (EN 12317-1)	N/5 cm	600 / 600	min
Watertightness (EN 1928)	Kpa	60	min
Reaction to fire	Class	F	