

## ELASTECH 500 waterproofing membrane Technical Data Sheet

rev. 03/2010

- **ELASTECH 500 & mineral ELASTECH 500** 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. The modified compound offers good ageing properties, cold flexibility (-15°C), durability and elasticity.
- **ELASTECH 500 (P)** are available with a polyethylene film or sand finish on the upper face to prevent the roll from sticking to itself and benefits the unrolling of the product during installation.
- **Mineral ELASTECH 500 (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.
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- The lower face of both **ELASTECH 500 & mineral ELASTECH 500** 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.
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- **ELASTECH 500 (P) & mineral ELASTECH 500 (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.

Technical properties	M.U.	ELASTECH 500	Tolerances
		P (PA)	
Reinforcement		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 <sup>2</sup>	3 / 3,5 / 4 / 4,5 / 5	± 7 %
Nominal thickness ( EN 1849-1)	mm	3, 4	
Cold flexibility ( EN 1109 )	°C	-15	± 2 °C
Tensile strength ( EN 12311-1)			
-longitudinal	N/ 5 cm	500	± 20 %
-transversal		400	
Ultimate elongation ( EN 12311-1)			
-longitudinal	%	40	± 20 %
-transversal		40	
Dimensional stability ( EN 1107 -1)	%	0,2	max
Flow resistance ( EN 1110)	°C	120	min
Resistance to static loading ( EN 12730)	kg	15	min
Watertightness ( EN 1928)	Kpa	60	min
Reaction to fire	Class	F	