

## NOVATEC waterproofing membrane Technical Data Sheet

rev. 05/2011

- **NOVATEC & mineral NOVATEC** are prefabricated modified polymer-bitumen membranes whose compound is composed of distilled bitumen and plastomers (APP), reinforced with a Woven non Woven polyester fabric with longitudinal reinforcing threads (**P & PA**) or fiberglass mat (**V & VA**). The modified compound offers good ageing properties, cold flexibility (-5°C), durability and elasticity.
- **NOVATEC (P) & NOVATEC (V)** are available with sand finish or TNT on the upper face to prevent the roll from sticking to itself and benefits the unrolling of the product during installation.
- **Mineral NOVATEC (PA) & mineral NOVATEC (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 **NOVATEC & mineral NOVATEC** 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 embossed surface of the membrane which is below the burn off film, when the correct temperature is reached, this embossment melts also helping vapour diffusion and avoiding blistering. The burn off film also has a printed 10 cm square which allows the alignment of the side laps quickly and easily during application.
- **NOVATEC (P) & mineral NOVATEC (PA)**, due to the polyester reinforcement doubled with glass fibre longitudinal reinforcing threads, offers a better dimensional stability, a good static and dynamic puncture resistance, tensile strength, both longitudinal and transversal and ultimate elongation.
- **NOVATEC (V) & mineral NOVATEC (VA)** on the other hand offers excellent dimensional stability and is normally used as a first layer in a two layer system (**V**) or as a cap sheet, mineral slate version (**VA**), over a polyester.

Technical properties	M.U.	NOVATEC		Tolerances
		V (VA)	P (PA)	
Reinforcement		fibreglass	polyester	
Roll length ( EN 1848-1)	m	10	10	± 0,2 %
Roll width ( EN 1848 -1)	m	1	1	± 1 %
Nominal weight ( EN 1849 - 1)	kg/m <sup>2</sup>	3 / 3,5 / 4 / 4,5 / 5 / 5,5	3 / 3,5 / 4 / 4,5 / 5 / 5,5	± 7 %
Nominal thickness ( EN 1849 -1 )	mm	3, 4	3, 4	± 7 %
Cold flexibility ( EN 1109 )	°C	-5	-5	min
Tensile strength ( EN 12311-1)				
-longitudinal	N/ 5 cm	450	500	± 20 %
-transversal		250	350	
Ultimate elongation ( EN 12311-1)				
-longitudinal	%	2	30	± 20 %
-transversal		2	35	
Dimensional stability ( EN 1107 -1)	%	0,1	0,2	max
Flow resistance ( EN 1110)	°C	130	130	min
Resistance to static loading ( EN 12730)	kg	5	15	min
Watertightness ( EN 1928)	Kpa	60	60	Min
Reaction to fire ( EN 13501-1)	Class	F		