

NOVATEC waterproofing membrane Technical Data Sheet

Compound
APP

Flexibility
-5°C

rev. 05/2017

Description

NOVATEC are prefabricated modified polymer-bitumen made of distilled bitumen with plastomeric polymers (APP), forming a compound whose characteristics are determined by the polymer matrix. The performance of the bitumen is therefore increased along with the durability and the resistance to high and low temperatures, while the optimum adhesive and impermeable qualities of bitumen remains unchanged.

NOVATEC & mineral NOVATEC (P & PA) membranes are reinforced with a Woven non Woven polyester fabric stabilized with longitudinal or grid reinforcing threads, which provide the membrane with good mechanical characteristics and excellent dimensional stability in hot conditions, thus reducing the problems of the retraction of the head lap joints.

The **V & VA** versions have a fibre glass reinforcement which is strengthened longitudinally and has high dimensional stability properties

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.

Field of use

NOVATEC (P) & mineral NOVATEC (PA), due to the polyester reinforcement doubled with glass fibre longitudinal or grid 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

Uses: foundations, terraces, concrete decks in single (**PA**) or multilayer system (**V + PA, P + VA**)

Technical properties	M.U.	NOVATEC		Tolerances
		V (VA)	P (PA)	
Reinforcement		fibreglass	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	3 / 3,5 / 4 / 4,5 / 5 / 5,5 / 6	± 7 %
Nominal thickness (EN 1849 -1)	mm	3, 4	3, 4	± 7 %
Cold flexibility (EN 1109)	°C	-5		-
Tensile strength (EN 12311-1)				
-longitudinal	N/ 5 cm	450	500	± 20 %
-transversal		300	350	
Ultimate elongation (EN 12311-1)				
-longitudinal	%	2	35	± 20 %
-transversal		2	35	
Dimensional stability (EN 1107 -1)	%	0,1	0,2	max
Flow resistance (EN 1110)	°C	130		min
Resistance to static loading (EN 12730)	kg	5	15	min
Watertightness (EN 1928)	Kpa	60		min
Reaction to fire (EN 13501-1)	Class	F		