

ARTEC 5 waterproofing membrane

Compound APP

Flexibility -5°C

Technical Data Sheet

rev. 05/2017

Description

ARTEC 5 & mineral ARTEC 5 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.

ARTEC 5 & mineral ARTEC 5 (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.

ARTEC 5 (P) & ARTEC 5 (V) are available with sand finish on the upper face which makes it possible to easily unroll the product during installation, with reliable and fast welding of the joints.

Mineral ARTEC 5 (PA) & mineral ARTEC 5 (VA) are supplied with mineral slate chips which are available in natural or colored version. This mineral finish acts as a weathering surface and enhances the aesthetics after application. The self-protected versions have a side selvedge of 10 cm and upon request a head selvedge of 15 cm, to improve adhesion and welding between the sheets.

The lower face of both **ARTEC 5 & mineral ARTEC 5** is coated with a special polyethylene burn-off film which melts during torching and prevents the roll from sticking to itself. The lower face is embossed, in order to obtain the pre-tension and therefore the optimal retraction of the film and also to offer a greater surface area for torching. 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

ARTEC 5 (P) & mineral ARTEC 5 (PA), due to the polyester reinforcement stabilized with fibreglass filaments, offers a better dimensional stability, good static and dynamic puncture resistance, tensile strength, tensile strength and elongation. Are therefore recommended as a top sheet or intermediate layer in multi-layer waterproofing system for pitched, flat or vaulted concrete roofs.

ARTEC 5 (V) & mineral ARTEC 5 (VA) offers excellent dimensional stability and is normally used as a first layer in a two layer system (**V + PA**) or as a cap sheet, mineral slate version over polyester (**P + VA**).

Technical properties	M.U.	ARTEC 5		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 ²	2 / 3 / 3,5 / 4 / 4,5 / 5 / 5,5	2 / 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		-
Tensile strength at break (EN 12311-1)				
-longitudinal	N/ 5 cm	450	500	± 20 %
-transversal		300	350	
Elongation at break (EN 12311-1)				
-longitudinal	%	2	30	± 20 %.
-transversal		2	35	
Resistance to static loading (EN 12730)	kg	5	15	min
Dimensional stability (EN 1107 -1)	%	0,1	0,2	max
Flow resistance (EN 1110)	°C	130		min
Watertightness (EN 1928)	Kpa	60		min
Reaction to fire (EN 13501-1)	class	F		