

Data Sheet

Sappi Evered APP Torch-on Felt



Description

PLASTOMERIC (BPP) Polymer Bitumen membrane, compound in distilled bitumen modified with synthesis polyolefin copolymers APP (Atactic Polypropylene) of high molecular weight obtained by metallocene catalysis polymerization. These features give to the membrane an high anti-ageing capacity and the particular formulation also ensures considerable advantages in the application process, thanks to the high adhesive capacity of the compound.

Reinforcement

Membranes of this range are reinforced with a rot-proof spunbond nonwoven polyester. This nonwoven polyester guarantees an excellent mechanical strength, tear and puncture resistance. Membranes of this range have an underside surface finish made with a thermofusible polyethylene PE film while the top side surface finish in anti-adherent sand.

Technical Data

TECHNICAL DATA SHEET							
	Unit	Standard	EVERED POLYESTER			EVERED POLYESTER MINERAL	Tolerance
VISIBLE DEFECTS		EN 1850-1	pass				-
WIDTH	m	EN 1848-1	1				-1%
LENGHT	m	EN 1841-1	10		10		-1%
THICKNESS	mm	EN 1849-1	3	4	5	-	-10%
AREIC MASS	Kg/m ²	EN 1849-1				4 4.5 5	-10%
STRAIGHTNESS	mm	EN1848-1	max 20				pass
MAX TENSILE FORCE L/T	N/5cm	EN 12311-1	500/350				-20%
ELONGATION L/T	%	EN 12311-1	40/40				-15 ass.
RESISTANCE TO TEARING L / T	N	EN 12310-1	140/160				pass
RESISTANCE TO STATIC LOADING	Kg	EN 12730-A	15				pass
RESISTANCE TO IMPACT	mm	EN 12691	700				pass
JOINT STRENGHT L/T	N/5cm	EN 12317-1	400/250				-20%
PEEL RESISTANCE OF JOINT L/T	N/5cm	EN 12316-1					npd
PLIABILITY (COLD FLEXIBILITY)	°C	EN 1109	-5				pass
PLIABILITY (AGED)	°C	EN 1296 EN 1109					npd
U.V. AGEING (VISIBLE DEFECTS)	-	EN 1297 EN 1850-1					npd
WATERTIGHTNESS	kPa	EN 1928	60				pass
WATER VAPOUR PERMEABILITY	μ x 1.000	EN 1931	20 (default)				pass
WATER VAPOUR PERMEABILITY (AGED)	μ x 1.000	EN 1296 EN 1931					npd
FLOW RESISTANCE	°C	EN 1110	120				pass
FLOW RESISTANCE (AGED)	°C	EN 1110 EN 1110					npd
DIMENSIONAL STABILITY L/T	%	EN 1107-1	-0,25/+0,15				pass
EXTERNAL FIRE PERFORMANCE	class	EN 13501-5	Npd				
REACTION TO FIRE	class	EN 13501-1	Npd				
ADHESION OF GRANULES	%	EN 12039					< 30
SPECIFIC CHARACTERISTICS							
ROOT RESISTANCE	-	EN 13948					npd
EXTERNAL FIRE PERFORMANCE		EN 13501-5					npd
FIRE RESISTANT version		ENV 1187					
REACTION TO FIRE		EN 13501-1					npd
FIRE REISTANT version		EN 11925-2					
MINERAL WHITE FLASH VERSIONS							
SOLAR REFLECTANCE	%	ASTM C 1549					npd
INFRARED EMISSIVITY	%	EN 15976					npd
SRI Solar Reflectance Index	%	ASTM C 1980					npd
OTHER VALUES							
SPECIFIC HEAT			3 mm	4 mm	5 mm		
	KJ/°K		3.9	5.2	6.5		
THERMAL CONDUCTIVITY	W/m°K (λ)		0.2				