



EXTENDER H

SBS



PROJECT SPECIFICATIONS: Bitumen membrane modified with SBS (styrene-butadiene-styrene) especially formulated for warm climates, and for areas subject to high temperature fluctuations. Perfect for multi-layer solutions protected from UV rays, in case of roofing subject to micro-settlements, vibrations, cyclic thermal-mechanical expansion and actions in cement, metal or wooden structures, even in case of thick insulation. The versions in HSP reinforcement are ideal for underground waterproofing applications (foundations, retaining walls and heavy under-slabs etc.).

REINFORCEMENTS: A wide range of stabilised polyester TNT reinforcements to meet the design requirements of different technical solutions.

FINISHES: polyethylene film, mineral self-protection in different colours.

PLUS: the perfect balance, between the flexibility at low temperatures of the SBS compounds and the shape stability at high temperatures (-10°C/130°C)** makes Extender H elastomer membranes the most commonly used membranes in countries with hot climates like those in the following areas: Africa, Middle East, South-East Asia and South America. The wide range of Extender H products makes it possible to design and customise even the most complex technical solutions. Extender H compound, is ideal as a root-stop membrane when antiroots additives are added.



EXTENDER H	STANDARD	U.M.	EXTENDER H 3 mm - 4 mm	EXTENDER H 3 mm - 4 mm	EXTENDER H 4 mm	EXTENDER H 4 kg - 4,5 kg 5 kg	EXTENDER H 4 kg - 4,5 kg 5 kg	EXTENDER H 4 mm
Finishing	-	-	PBS	PBS	PBS	MINERAL	MINERAL	MINERAL
Reinforcement type	-	-	POL	SP POL	HSP POL	POL	SP POL	HSP POL
Thickness	EN 1849 - 1	mm	3 / 4	3 / 4	4	-	-	4*
Weight	EN 1849 - 1	kg	-	-	-	4 / 4,5 / 5	4 / 4,5 / 5	-
Maximum Tensile Force LONGITUDINAL / TRASVERSAL	EN 12311-1	N/5cm	500 / 400	600 / 500	850 / 650	500 / 400	600 / 500	850 / 650
Elongation at break LONGITUDINAL / TRASVERSAL	EN 12311-1	%	35 / 35	40 / 40	40 / 40	35 / 35	40 / 40	40 / 40
Tearing resistance LONGITUDINAL / TRASVERSAL	EN 12310 -1	N	140 / 140	150 / 150	170 / 170	140 / 140	150 / 150	170 / 170
Flow resistance at elevated temperature	EN 1110	°C	130	130	130	130	130	130
Flexibility at low temperatures	EN 1109	°C	-10**	-10**	-10**	-10**	-10**	-10**
Dimensional stability	EN 1107-1	%	±0,3%	±0,3%	±0,2%	±0,3%	±0,3%	±0,2%

* THICKNESS MEASURED INCLUDING MINERAL FINISHING; ** EXTENDER H may be supplied on request with flexibility at low temperatures up to -15°C

Reinforcement - POL: standard performance stabilized non woven polyester / **SP POL:** medium performance stabilized non woven polyester / **HSP POL:** high performance stabilized non woven polyester / **GS POL:** special performance stabilized non woven polyester for great structure / **GLASS FIBRE:** fibre glass mat reinforced with threads / **ALL + POL:** aluminium foil coupled with non woven polyester - **Finishing - MINERAL:** slated / **SAND:** sanded / **PBS:** Polyethylene on both sides.

Slated Self Protection available for Extender H
Other finishing, on request. For finishing details refer to pg. 34

