

DuroThene HDPE 2000

SBS modified – Self-adhesive – Polyester carrier OR Laminated HDPE Reinforcement

Technical Data Sheet

Description:

The DuroThene HDPE 2000 range is composed of self-adhesive bituminous polymeric waterproofing membranes. They consist of a special compound based on distilled bitumen modified with selected polymers and tackifiers and reinforced with a non-woven spun bond polyester reinforcement (DuroThene HDPE 2000) or an HDPE carrier film (DuroThene HDPE 2000). The self-adhesive SBS modified waterproofing compound assures good flexibility at low temperatures, excellent adhesive on various substrates, beautiful aesthetic finish.

The whole DuroThene HDPE 2000 range is manufactured under a closely controlled system which conforms to the ISO 9001 requirements and guidelines.

Product Uses

DuroThene HDPE 2000 self-adhesive membranes are versatile and easy to install. Because of their good mechanical characteristics and high dimensional stability, they are suitable to be used both in residential and industrial waterproofing. DuroThene HDPE 2000 self-adhesive membranes are compatible with most materials normally used in roofing structures. DuroThene HDPE 2000 is specifically designed to be used for basement and sub-structures waterproofing.

Installation

The underside of DuroThene HDPE 2000 membrane is finished with a release PE film. The upper side of the DuroThene HDPE 2000 is laminated to a transparent PE film. The upper side of DuroThene HDPE 2000 is laminated to a tough HDPE film.

Surfaces must be perfectly dry, clean and sufficiently plain or levelled. Prior to adhering the membrane to the substrate, the latter must be primed with either water-based or solvent-based bituminous primer.

The product is applied by peeling back the release film and unrolling the DuroThene HDPE 2000 membrane with the adhesion face down on the substrate. Press down DuroThene HDPE 2000 working from the centre to the edges to expel all trapped air. Stop installation in rain, snow, heavy fog or if the air temperature is below +5°C and over +30°C.

Handing & Storage

When unloading the material avoid any abrupt impact with the ground.

Do not take up the rolls to the roof without using supporting pallets and safety equipment.

Always store the rolls in upright position, and under shelter. In the cold season preferably do not stock the product at site during night-time.

In case of double stacking use a rigid separation board to spread the load.

DuroThene HDPE 2000

SBS modified – Self-adhesive – Polyester carrier OR Laminated HDPE Reinforcement

EN Norms	Features	Units	DuroThene HDPE 2000	
			Nominal Values	Tolerances
EN 1848-1	LENGTH	m	15	≥ as/declared
EN 1848-1	WIDTH	m	1,05	-0,5%
EN 1849-1	THICKNESS	mm	2	± 0,2
EN 1849-1	WEIGHT	kg/m ²		≥ as/declared
	TENSILE STRENGTH long. (max. charge)	N/50mm	500	- 20%
EN 12311-1	TENSILE STRENGTH trans. (max. charge)	N/50mm	300	-20%
	ELONGATION AT BREAK longitudinal	%	100	-15pp
EN 12311-1	ELONGATION AT BREAK transversal	%	180	-15pp
	TEARING RESISTANCE longitudinal	N	200	-30%
EN 12310-1	TEARING RESISTANCE transversal	N	200	-30%
EN 12730	STATIC PUNCTURING (B)	KG	10	
EN 12691	DYNAMIC PUNCTURING	mm	300	
EN 1107-1	DIMENSIONAL STABILITY	%	+0,10 T -0,10 L	
EN 1109	COLD FLEXIBILITY	°C	-25	
EN 1110	HEAT RESISTANCE	°C	90	
EN 1928	WATER TIGHTNESS	Kpa	≥ 60	
EN 1928	WATER RESISTANCE (max. variation)	%	± 2	

PRODUCT	THICKNESS (mm)	WEIGHT (kg/sqm)	DIMENSIONS	ROLLS / PALLET
DUROSTICK	2 mm		1 Roll 1 x 15 mt.	25
DUROSTICK	3 mm		1 Roll 1 x 10 mt.	25
DUROTHENE HDPE 2000	2 mm		1 Roll 1,05 x 15 mt.	28 (larger pallet)