

GRAVIFLEX

PRODUCT DESCRIPTION AND USES

High performance reinforced SBS elastomeric bitumen sheet with root-inhibiting additive and coloured mineral finished upper surface for waterproofing works.

This product is specifically for use as:

- top layer of a two-layer waterproofing system for roof gardens and multi-use flat roofs
- top layer of a two-layer waterproofing system for foundations walls and below ground structures.

It can be also used for miscellaneous works. In either case, this product must be used in accordance with the relevant technical specifications.

COMPOSITION

Main surface	Slate flakes (colour: light grey)
Longitudinal overlap surface	Scarified hot-melt film
Blend	Fillerized SBS (Styrene-Butadiene-Styrene) elastomeric bitumen with root-inhibiting additive
Reinforcement	Nonwoven polyester 180 g/m ²
Under face	Hot-melt film

DIMENSIONAL CHARACTERISTICS


	5 m	8 m
Length (m)	5.00	8.00
Nominal thickness on the longitudinal selvedge (mm)	3.2	3.2
Nominal thickness on the main surface (for information only) (mm)	4.0	4.0
Longitudinal selvedge nominal width (mm)	1000	1000
Area density (g/m ²)	5083	5083
Mass / roll (kg)	25.3	40.4

PERFORMANCES

KIND OF TEST	Reference Norm	Units	Average values
Tensile strength at max	EN 12 311-1	N/ 50mm	850 x 600
	ASTMD 5147-6	kN/m	18.2 x 12.6
Elongation at max	EN 12 311-1	%	40 x 49
	ASTMD 5147-6	%	54 x 66
Nail tearing resistance	EN 12 310-1	N	200 x 220
Cold temperature flexibility	EN 1109	°C	-20
	ASTMD 5147-11	°C	≤ - 20
Heat flow test	EN 1110	°C	100
	ASTMD 5147-15	°C	≥ 100
Dimensional stability	EN 1107-1	%	-0,5
	ASTMD 5147-10	%	≤ - 0,5
Static puncture resistance (soft support)	EN 12730 A	kg	20
Static puncture resistance (hard support)	EN 12730 B	kg	20
Impact resistance (hard support)	EN 12691 A	mm	800
Impact resistance (soft support)	EN 12691 B	mm	1500
Root penetration resistance	EN 13948	-	Pass
Watertightness	EN 1928	-	Pass

ISO 9001 REFERENCE DOCUMENT

Our products are manufactured by certified ISO 9001 plants



PACKAGING

	5 m	8 m
Rolls quantity per truck pallet	35	24
Rolls quantity per container pallet	42	27
Rolls quantity per wooden box	39	25

GENERALITIES ABOUT APPLICATION

Using	The generalities about the product using are set out in the ZSA STANDARD
Application	The generalities about the product application are set out in the ZTA STANDARD
Overlaps	Current building practices concerning overlaps are set out in the ZRA STANDARD
Slopes	Current building practices concerning slopes are set out in the ZPA STANDARD

COMPLEMENTARY INFORMATIONS

Values	Where 2 values for given characteristics are shown, the first is for longitudinal direction and the second is for the cross direction.
Tolerances	The average values derived from standard tests and are subject to the usual production variations. The indicated average values comply with the UEAtc standard and project prEN 13707. The nominal value tolerances comply with the UEAtc standards. Some slight variations can be noticed as the values are based on the average values obtained from several plants.
Modification(s)	Our company reserves the right to modify its composition as a result of technologic and experiments improvements. This product data sheet supersedes the previous edition, to obtain the up-date technical data sheet, please contact our technical department
Hazardous classification	It is not classified as dangerous according to the international regulation (ADR, RID, IATA, and RTMDR)
Complementary information	This document is only a product technical data sheet, regarding each waterproofing design, please, consult the concerned technical agreement and in case of doubt contact our technical department.
Storage	This product is packaged in rolls set up vertically on pallet or wooden box. It must be stored vertically under shelter, away from heat sources.