

Product Technical Information

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ADETI PREMIUM

Product Description and uses

Adeti Premium a self-adhesive sheet of High Density Polyethylene (HDPE) produced in 1 m wide rolls.

Adeti Premium is used as Damp proof membrane for underground works located above the water-table.

Adeti Premium can be also used for wet rooms and miscellaneous works.

This product must be used in accordance with the relevant technical specifications.

Composition

Top surfacing: black 0.08 mm HPDE foil UV resistant.

Adhesive compound: Adhesive SBS (Styrene-Butadiene-Styrene) elastomeric bitumen

Reinforcement: black 0.08 mm HPDE foil applied on surface

Back surfacing: Release film



Dimensions

Value	Nominal
Thickness on longitudinal selvedge (mm)	1.5 or 1.6
Thickness main surface (mm)	1.5 or 1.6
Roll length and width (m)	20.2 x 1

Packaging

Rolls quantity per truck pallet	16
Rolls quantity per container pallet	20
Rolls quantity per wooden box	16
Nominal weight / m ² (kg/m ²)	1.44
Nominal weight / roll (kg)	29.4

ISO 9001 REFERENCE DOCUMENT

Our company has been awarded the ISO 9001 certificate for all its establishments in France.

Our company reserves the right to modify its composition as a result of technological and experimental improvements.

To obtain the up-date technical data sheet, please contact Siplast



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Physical and Mechanical Properties

According with EN 13707

Property (as Manufactured)	Test Method	Units	Nominal values
Tensile strength at max	EN 12 311-1	N/50mm	70 x 70
Elongation at max	EN 12 311-1	%	5 x 5
Nail tearing resistance	EN 12 310-1	N	68 x 68
Static Puncture resistance (hard substrate)	EN 12730 B	kg	20
Impact resistance (hard substrate)	EN 12691-A	mm	250
Lap shear strength	EN 12317-1	N/50cm	70 side lap 70 head lap
Waterproofing	EN 1928	-	Pass
Water vapor resistance	EN 1931	m ² .s.Pa/kg	1.4E+13

According with ASTM E 154 standard methods

Property (as Manufactured)	Test Method	Units	Nominal values
Thickness		mm	1.5 - 1.6
Tensile strength	ASTM D638 /ASTM D 882	KN/m	6.3
Elongation	ASTM D638 /ASTM D 882	%	350 MD 310 CMD
Puncture resistance	ASTM E154	N	290 over 59mm
water absorption/ water resistance	ASTM D570	%	0.09
Moisture vapour transmission rate	ASTM E96	g/m ² /24 h	0.05

(1) ASTM D638 refers to ASTM D 882 as test method for tensile properties of thin Plastic sheeting

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Generalities

Application	Seld adhesive application over concrete. The adhesive is activated with hot air in case of temperature <15°C.
Approved Substrate	Concrete clean, dry, free of grease, brushed and without aggressive asperities. Concrete is primed with ADEPRIMAIRE or SIPLAST PRIMER or IMPRESION VERAL at a rate of 0,3lt/m2.
Vertical walls Installation procedure	Allow the primed substrate to dry. Membrane length iz maximum 3mt.Put in position the membrane without removing the back facing release film. Release the Adeti back facing silicone film starting for the top for about 30-40cm and press to obtain a good adhesion. Release the remaining part of the back facing film and press using a rubber roller to obtain a correct adhesion over the substrate. Apply 4 mechanical fixings on head using 8/10 mm galvanised steel washers such as 40x40mm SCR Alliance plates and suitable fixations.
Overlaps	Minimum 100mm for side laps and head laps. Head laps have to be staggered.
Flashings	Bande Solin CE73 aluminium flashing top protection.
Protection	Fonda+, or Fonda GTX or Prim'Nap HDPE embossed protection layer.

Other information

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 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, et RTMDR)
Divers	This product 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.

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Adeti Premium – Typical Design

