

INDEXTENE HDPE SUPER

SELF-ADHESIVE WATERPROOFING MEMBRANE
 SELF PROTECTED BY AN HDPE FOIL FOR
 WATERPROOFING OF FOUNDATIONS, BALCONIES,
 BATHROOMS AND WALLS IN CONTACT WITH THE GROUND

GRANTS *LEED* CREDITS

| CATEGORY | CHARACTERISTICS | | ENVIRONMENTAL | | | | | | METHOD OF USE | | |
|---------------------------------------|-----------------|---------------|---------------|---------------|----------|---------------|------------|---------------------|--------------------|-------------------------|---------|
| SPECIAL ELASTOMERIC FOR SPECIFIC USES | WATERPROOF | SUPERADHESIVE | ECO GREEN | ASBESTOS FREE | TAR FREE | CHLORINE FREE | RECYCLABLE | NON DANGEROUS WASTE | EXHAUSTED OIL FREE | APPLICATION BY PRESSURE | NAILING |

1 PROBLEM

| | | |
|-----------|--|--|
| SUBSTRATE | <input checked="" type="checkbox"/> Concrete | <input checked="" type="checkbox"/> Wood |
| | <input type="checkbox"/> Vecchio manto | <input type="checkbox"/> Isol. termico |

2 SOLUTION

INDEXTENE HDPE SUPER

INDEXTENE HDPE SUPER is a self-adhesive waterproofing membrane to be laid without torching, without using molten bitumen or adhesives containing solvents.

INDEXTENE HDPE SUPER made of a sheet of high density cross-laminated polyethylene, such as HDPE, whose lower face is spread with an elastomeric distilled polymer bitumen mix, highly adhesive also at room temperature.

INDEXTENE HDPE SUPER is thicker than other similar types on the market and, unlike the others, the self-adhesive mix on its lower face is strengthened by a reinforced fibreglass felt which makes the sheet more resistant and gives it more dimensional stability. The HDPE foil is waterproof and determines the mechanical characteristics of the sheet; the self-adhesive mix guarantees its bonding to the surface and the water tightness of the joints, whereas its increased thickness contributes to its resistance to impact and static load.

The fibreglass felt has the duty of stabilising the sheet subject to temperature variations

FOR WATERPROOFING SMALL SURFACES WITHOUT PROFESSIONAL EQUIPMENT IN BATHROOMS, BALCONIES AND OTHER UNUSUAL TYPES

In difficult situations or for small jobs (balconies, DIY, bathrooms or other) it is not possible or convenient to waterproof using thick membranes to be torch laid, thin and flexible sheets to be laid without torching are preferable, such as an HDPE plastic foil made adhesive by a thin layer of self-adhesive distilled bitumen mix modified with SBS elastomers.

and maintaining the shape of the roll during laying operations.

The self-adhesive face is protected with a silicone-coated polyethylene film cut and overlapping along the middle of the sheet and the rolls are protected by a sheet of silk-screened paper. On the upper face of **INDEXTENE HDPE SUPER**, unlike other similar types, there is a 5-cm wide overlapping side strip without HDPE film, protected by a silicone-coated film, which matches another opposite overlapping strip on the lower face so that by laying over of 10-cm double security is obtained - 5 cm of "foil-adhesive" bonding added to 5 cm of "adhesive-adhesive" bonding.

APPLICATION FIELDS

No adhesives, torches or even molten bitumen are used for laying. **INDEXTENE HDPE SUPER** sticks cold to the most common building materials, therefore it is chosen when using other adhesion systems would be inconvenient, or for small jobs. **INDEXTENE**

ADVANTAGES

- Easily adaptable to the conformation of the laying surface.
- It can be laid cold without professional equipment.
- Joints are more secure as it has an overlapping selvedge.
- Fibreglass reinforcement maintains the shape of the roll while laying.

CE INTENDED USE OF "CE" MARKING SPECIFIED ACCORDING TO THE AISPEC-MBP GUIDELINES

EN 13707 - REINFORCED BITUMEN SHEETS FOR ROOF WATERPROOFING

- Single-layer under heavy protection
- INDEXTENE HDPE SUPER

EN 13969 - BITUMEN DAMP PROOF SHEET INCLUDING BITUMEN BASEMENT TANKING SHEETS

- Membranes for foundations
- INDEXTENE HDPE SUPER

HDPE SUPER can be used for waterproofing foundations, walls in contact with the ground, balconies and bathrooms. It can also be used to protect tanks and underground piping from corrosion.

METHOD OF USE AND PRECAUTIONS

After removing the silicone-coated film, the membrane is cold-bonded by simple pressure, taking special care with the overlapping area. The side overlaps of **INDEXTENE HDPE SUPER** are about 10-cm whereas the end overlaps are about 15-cm. To obtain perfect adhesion, it is essential that the laying surface is clean and dry.

(See previous)

TECHNICAL CHARACTERISTICS

| | Standard | T | INDEXTENE HDPE SUPER |
|--|--------------|-----------|---|
| Reinforcement | | | Fibreglass + high density cross-laminated polyethylene |
| Thickness | EN 1849-1 | ±0,2 | 2.0 mm |
| Roll size | EN 1848-1 | -1% | 1.05x15 m |
| Watertightness | EN 1928 - B | ≥ | 60 kPa |
| Peel resistance | EN 12316-1 | -20 N | 80 N/50 mm |
| Shear resistance L/T | EN 12317-1 | -20% | 350/350 N/50mm |
| Maximum tensile force L/T | EN 12311-1 | -20% | 500/300 N/50mm |
| Elongation L/T | EN 12311-1 | -15% V.A. | 90/180% |
| Resistance to impact | EN 12691 - A | | 300 mm |
| Resistance to static loading | EN 12730 - A | | 10 kg |
| Resistance to tearing (nail shank) L/T | EN 12310-1 | -30% | 200/200 N |
| Dimensional stability L/T | EN 1107-1 | ≤ | -0.1/+0.1% |
| Flexibility to low temperature | EN 1109 | ≤ | -25°C |
| Flow resistance at high temperature | EN 1110 | ≥ | 90°C |
| Reaction to fire Euroclass | EN 13501-1 | | F |
| External fire performance | EN 13501-5 | | F roof |

In compliance with EN 13707 as the water vapour transmission factor, for reinforced polymer bitumen membranes, the value of 20000 μ may be assumed.

(See previous)

INDEXTENE HDPE SUPER sticks to the most commonly used building materials: metal surfaces, Plywood, OSB, polystyrene foam and extruded foam, polyurethane foam covered with polyethylene-coated fibreglass felt, etc. On porous surfaces such as concrete or brick surfaces, old bitumen coverings, old wooden boarding etc., the surface to be covered should be prepared with a coat of 250 to 500 g/m² IN-DEVER PRIMER E primer.

Store the rolls in a dry place indoors and take them to the laying location only when about to be applied. Open the package immediately before laying. **INDEXTENE HDPE SUPER** is a thermoplastic product, therefore at the hotter times of a summer day it softens, whereas in the cold it hardens and the product's adhesiveness decreases. The excellent cold behaviour of **INDEXTENE HDPE SUPER** does not justify the laying of the self-adhesive membrane at low temperatures without precautions.

Below +10°C also according to the humidity conditions of the air and the surface, particular attention must be paid during laying, if necessary using heating appliances or a "light flame". The temperature of +5°C remains the laying threshold limit. The HDPE foil is not resistant to UV rays, therefore **INDEXTENE HDPE SUPER** must not be exposed for long and after application must be covered quickly.

Sheets applied vertically to walls in contact with the ground should always be secured mechanically at the ends.

METHOD OF USE



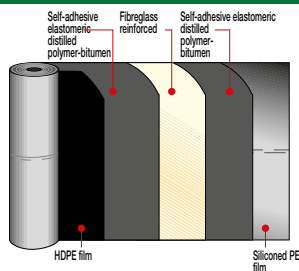
INDEXTENE HDPE SUPER being laid on a flat surface



INDEXTENE HDPE SUPER being laid on a vertical surface and fixing detail

COMPOSITION OF THE MEMBRANE

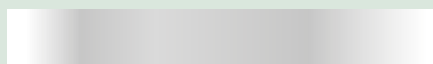
INDEXTENE HDPE SUPER



PRODUCT FINISHING



HDPE POLYETHYLENE FILM.



REMOVABLE SILICONE-COATED FILM. The lower face of the membrane is covered in a silicone-coated film which preserves the adhesive mix.

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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