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

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.

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 distillate 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 fibre-glass felt which makes the sheet more resis-
tant 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 bond-
ing 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
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.

No adhesives, torches or even molten bitu-
men 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

APPLICATION FIELDS

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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.

INDEXTENE HDPE SUPER can be used for waterproo-
fing foundations, walls in contact with the
ground, balconies and bathrooms. It can also be used to protect tanks and un-
derground 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 SU-
PER 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.

(Some previous)
The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. 

The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use. 

• 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 •

**TECHNICAL CHARACTERISTICS**

<table>
<thead>
<tr>
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<th>Standard</th>
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<tbody>
<tr>
<td><strong>Reinforcement</strong></td>
<td>T</td>
<td>Fibreglass + high density cross-laminated polyethylene</td>
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<tr>
<td><strong>Thickness</strong></td>
<td>EN 1849-1</td>
<td>2.0 mm</td>
</tr>
<tr>
<td><strong>Roll size</strong></td>
<td>EN 1848-1</td>
<td>1.05x15 m</td>
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<tr>
<td><strong>Watertightness</strong></td>
<td>EN 1928 - B</td>
<td>60 kPa</td>
</tr>
<tr>
<td><strong>Peel resistance</strong></td>
<td>EN 12316-1</td>
<td>80 N/50 mm</td>
</tr>
<tr>
<td><strong>Shear resistance L/T</strong></td>
<td>EN 12317-1</td>
<td>350/350 N/50mm</td>
</tr>
<tr>
<td><strong>Maximum tensile force L/T</strong></td>
<td>EN 12311-1</td>
<td>500/300 N/50mm</td>
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<tr>
<td><strong>Elongation L/T</strong></td>
<td>EN 12311-1</td>
<td>90/185%</td>
</tr>
<tr>
<td><strong>Resistance to impact</strong></td>
<td>EN 12691 - A</td>
<td>300 mm</td>
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<tr>
<td><strong>Resistence to static loading</strong></td>
<td>EN 12730 - A</td>
<td>10 kg</td>
</tr>
<tr>
<td><strong>Resistance to tearing (nail shank) L/T</strong></td>
<td>EN 12310-1</td>
<td>200/200 N</td>
</tr>
<tr>
<td><strong>Dimensional stability L/T</strong></td>
<td>EN 1107-1</td>
<td>–0.1/+0.1%</td>
</tr>
<tr>
<td><strong>Flexibility to low temperature</strong></td>
<td>EN 1109</td>
<td>–25°C</td>
</tr>
<tr>
<td><strong>Flow resistance at high temperature</strong></td>
<td>EN 1110</td>
<td>90°C</td>
</tr>
<tr>
<td><strong>Reaction to fire</strong></td>
<td>EN 13501-1</td>
<td>F</td>
</tr>
<tr>
<td><strong>External fire performance</strong></td>
<td>EN 13501-5</td>
<td>F roof</td>
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In compliance with EN 13707 as the water vapour transmission factor, for reinforced polymer bitumen membranes, the value of 20000 µ may be assumed.

**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**

- 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.

**PRODUCT FINISHING**

- **INDEXTENE HDPE SUPER** sticks to the most commonly used building materials: metal surfaces, Plywood, OSB, polyethylene 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 INDEVER 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.

- **Calore specifico**: 1.3 kJ/kgK.

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