

MGX NOR

EVOLUTION AND MAXIMUM RELIABILITY IN
WATERPROOFING SYSTEMS

MEGAFLEX®
THE WATERPROOF BARRIER

HIGH-DENSITY-POLYETHYLENE-CORE-REINFORCED
ASPHALT MEMBRANE
NON-EXPOSED/UNDERSLAB/BETWEEN-
WALL USE



Features

Megaflex Plastic Cement Membrane, containing a high density polyethylene central core, which provides great flexibility without losing dimensional uniformity. MGX-Nor has an anti-adherent polyethylene foil coating on both sides. Given its elasticity, it is ideal for underslab waterproofing or for incorporation as part of a larger waterproofing system.

Where

Suitable for waterproofing surfaces where the membrane is not weather-exposed, but placed underneath another system element (the element placed above the membrane should be cautiously applied, so as to prevent the membrane from suffering any damage through foul contact). The preparation of a system like this increases the product reliability and resistance, and extends its lifespan. Examples of application of this product include:

Floors and terraces where waterproofing involves an under-course membrane. Underslab systems or surfaces with other types of coating. Double-membrane waterproofing. Also, on steep pitched roofs (e.g. under tiles or metal roofs) as a reinforcement of the waterproof insulation, etc.

Advantages

- Specific for underslab waterproofing systems.
- Suitable reinforcement for especially reliable waterproof insulations.
- Excellent bonding to cement mortar (before applying a cement mortar, melt the anti-adherent polyethylene using a membrane-specific soldering torch)



How Supplied: 10-m2 rolls (1m wide by 10 m long) -
MGX NOR membranes are supplied as follows:
MGX NOR 450 -Standard 40-Kg membrane
MGX NOR 400 -Standard 35-Kg membrane
MGX NOR 350 -Standard 30-Kg membrane
MGX NOR 300 -Standard 25-Kg membrane
MGX NOR 250 -Standard 20-Kg membrane

Images are only illustrative

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0-800-33-33-649 (MGX)

Recommendations and Precautions

Store the rolls indoors, protected from rain and sunshine, at 5-35°C (41-95°F). Keep stored until use.
 Stow the rolls into a pyramid not higher than five rows. Let the products rest at the installation site for at least 2 hours before installation, for them to attain the desired temperature and humidity balance.
 At room temperatures near 5°C (41°F), special care should be

taken when unrolling the product. Unroll slowly and gently so as to avoid scratches, cracks or other damages.
 Installation of the membrane is not recommended when room temperature is below 5°C (41°F).
 Do not work under rainy conditions nor resume installation until the surface is completely dry.
 Keep carbon dioxide or dry chemical extinguishers at hand in the application site to put off any liable fire foci during installation.

Installation (IRAM Guideline #12627)

To ensure proper waterproofing, it is essential to follow the installation instructions below

- 1) SURFACE PREPARATION: The application surface must be dry, clean, firm and smooth, and it should have the necessary drains to evacuate water
- 2) PRIMING: Before installing the membrane, prime the surface in order to improve the membrane bonding to the substrate. For that purpose, use solvent-based MEGAFLEX ASPHALT PRIMER, aqueous-base MEGAFLEX ASPHALT EMULSION, or hot-applied OXIDIZED ASPHALT IN BLOCKS, depending on the characteristics of the work. Prime the whole surface area thoroughly, including protruding elements (chimneys, ventilation elements, etc.), drains and flash sheets. Wait until the primer is completely dry and check that the surface is perfectly clean before installing the membrane.
- 3) INSTALLATION: Successively place the rolls overlapping one another, from the bottom to the top of the surface (starting from the drains, if possible), perpendicularly to the slope. Start by provisionally laying down the roll, i.e. extending it completely over the roofing in order to verify its position on the affected area, and wind it back again so as to begin the adhesion process.
- 4) ADHESION: Heat the anti-adherent side of the welding membrane

using a soldering torch, completely melting the anti-adherent layer and superficially melting the asphalt, and then adhere it to the substrate by applying a light pressure.
 5) LAP JOINT: Place the following sheets overlapping one another, in an ascending fashion, i.e., following the slope direction, and making sure the lap joint is at least 8 cm (3.2") longitudinally. At the rolls ends, the overlap should be 15 cm (6").
 6) FLASHING: Finally, install the flashing on the perimeter walls. Use a double membrane layer for joints between floor and wall so as to yield a rounded surface finishing.
 7) FINISH: This membrane being unsuitable for weather-exposed use, a surface finish will be applied, resulting in a whole membrane system, in which the membrane lays below the other system element. After installing MGX Nor, melt the anti-adherent polyethylene by using a soldering torch for membranes, so as to improve the bonding into the underlying surface.



Follow the instructions in this sheet and in Megaflex Technical Manual for a correct application. If you need further advice, contact Megaflex Technical Department. TEL: 4002-5000 (rollover lines)//tecnico@megaflex.com.ar// www.megaflex.com.ar

Note: A watertightness test is recommended so as to verify the waterproofing. For that purpose, cover the drains and flood the roofing up to the top of the flash sheet. Control and keep checking this process permanently for 24-48 h.

Supplements

For a correct application, use a primer:

PRIMER

When choosing a primer, please consider the type and features of the waterproofing surface.



ASPHALT PRIMER

Cement substrate
 Cement substrate

ASPHALT EMULSION

Cement substrate
 To be applied on expanded polyurethane or polystyrene

OXIDIZED ASPHALT

Cement substrate
 Metal substrate
 To be applied on high density expanded polystyrene

FINISH:

MGX Nor membrane is used underslab or as part of a system, where it is the non-exposed waterproofing part, and the surface finish is the other part.

Fact Sheet

| PROPERTIES | MGXNOR |
|---|---------------------------|
| Roll Length | 10 m. |
| Roll Width | 1,00 m. |
| Nominal Weight (kg) * | 14/20/25/30/35/40 |
| Coating | High-Density Polyethylene |
| Central Core | High-Density Polyethylene |
| Anti-Adherent Film | High Density Polyethylene |
| Heat Resistance (2 Hr: 70°C [158°F]). Method: IRAM 6693 | Maximum Skid: 5% |
| Bendability (R=125mm; 2 Hr: 0°C [32°F] in 3 sec). Method: IRAM 6693 | Test passed |

** Depending on the product type and/or pack size.

Composition

- Anti-Adherent Film
- Asphalt Layer
- High Density Polyethylene
- Asphalt Layer
- Anti-Adherent Film

