

Product

STARFLEX HR-M



2 COMPONENT ELASTIC POLYUREA WATERPROOFING MEMBRANE FOR MANUAL APPLICATIONS

Characteristics

- **Simple application.**
- **High elasticity, toughness, shear resistance to hydrolysis, punching, abrasion, general aging.**
- **Good resistance to aggressive chemicals.**
- **Substrate temperature from +5°C to +35°C.**
- **Operating temperature from -40°C to +100°C in air.**
- **UV resistant. ***

Application fields

- Waterproofing of roofs, balconies, parking lots, water containment tanks, etc.
- It can be applied on concrete, cement mortars and other materials carefully prepared with the appropriate primer.

Application

PRODUCT APPLICATION

Two-component product to be carefully mixed before use with a low speed mechanical stirrer, proceeding as follows:

Add component B to component A and mix until it is completely homogenized.

SUBSTRATE PREPARATION

The substrate to be treated must be free of any polluting substance, dry, coherent and must have a tear resistance of at least 1.5 MPa. In any case, it is necessary to carry out a preparation of the substrate of the pavement by carrying out sandblasting, milling, shot peening, sanding according to the type of substrate.

Any free and stagnant water from the substrate or from previous washing operations or from meteorological events must be removed or dried with appropriate means.

*Yellowing may occur.
For non-yellowing use STARFLEX MONO TOP.

PRIMER

In case of the concrete substrate, apply a coat of 150-200 g / m² of PRIMER 0260. Over application with STARFLEX HR-M after 1-3 hours.

In case of metal materials, galvanized steel, pre-painted aluminum, apply DUROGLASS FF4416 as a primer in the ratio of 150 g / m².

In case of damp substrates, first apply one or two coats of DUROGLASS FU BIANCO TIX or DURO-GLASS FU RAPID as indicated in the relative technical data sheets.

PRODUCT PREPARATION

Two-component product to be mixed at the time of use.

Combine component A with component B, mix with a mixer at low RPM.

It is possible to increase the curing time of the product by adding ACCELERANT 1. In this case, add ACCELERANT 1 after the product is already mixed.

By dosing ACCELERANT 1 at 2% (calculated on the product used) it is possible to obtain the surface that can be walked on carefully in 3 / 3.5 hours (at 25 ° C).

Application

The application must be carried out by spatula, brush or airless equipment especially on large areas.

In the case of airless spray use 0.021-0.025 inch nozzles and pressures of 200 bar and dilute the product with a maximum of 3% DILUENTE 6.

The application of the product can take place in a single solution or with several coats depending on the desired thickness and the application system.

The typical thickness is 2 mm which is equivalent to a material consumption of approx. 2.60 kg / m².

If the membrane is directly exposed to UV rays, it is necessary to apply a top coat: POLISTAR E/P, POLISTAR E/2, STAR-FLEX MONO TOP S.

TOOLS CLEANING

Working tools must be cleaned with DILUENTE 6 after their use.

SAFETY

During the application use: goggles, rubber gloves and all DPI required by the current regulations for chemical use.

For all additional information, please read the product safety data sheet.

Technical data

Color	RAL 7032
Specific weight EN ISO 2811-1	1,38 ± 0,05 kg/l
Viscosity at 23°C EN ISO 2555	3500 ± 1000 mPa·s
Pot life at 25°C (414 g) EN ISO 9514	>60 minutes
Mixing ratio <i>Parts by weight of comp. A</i> <i>Parts by weight of comp. B</i>	100 100
Horizontal theoretical consumption	1,40 kg/m ² /mm
Solid contents EN ISO 3251	97 ± 1 % (in weight)
Hardness Shore A EN ISO 868	75-78
Hardness Shore D EN ISO 868	25
Elongation at break EN 12311-2	600 %
Traction resistance EN 12311-2	> 9 MPa
Tearing resistance UNI EN 12310-2	40 N/mm- 60 N
Hardening at 25°C, 50% U.R.	- Walkable with caution 3,5 hours - Complete curing 7 days
Storage	The product in its original sealed packaging, kept in a dry place and protected at a temperature between + 5 ° C and + 35 ° C, can be kept for 12 months.

The data and prescriptions contained in this sheet, based on the best practical and laboratory experiences, are to be considered indicative in any case. Considering the different conditions of use, and the intervention of factors independent of MPM (support, environmental conditions, technical direction of installation, etc.) whoever intends to use them is required to establish whether the product is suitable or not for use. Our guarantee obligation is limited to the quality and constancy of the finished product for the above data, only for technical sheets accompanied by stamp and countersignature by our delegated staff. The customer is also required to verify that these values are valid for the batch of product of interest and are not exceeded and / replaced by subsequent editions and / or new formulations. The data contained can change at any time without obligation of notice by MPM