

FYBRO HP

Fibre-reinforced waterproofing liquid membrane



Description

FYBRO HP is a single-component liquid product based on photo-reticulating synthetic elastomers in aqueous dispersion.

It is a fibre-reinforced paste that can be easily applied on horizontal and vertical surfaces.

It polymerizes to create a complete elastic impermeable membrane resistant to thermal shock, ultraviolet rays and acid rain.

It adheres perfectly to all types of materials including bitumen coating, concrete, fibre cement, wood, metal surfaces, etc.

Fields of use

FYBRO HP is used for waterproofing old and new treadable coverings (terraces, balconies, etc.); for waterproofing valley gutters and fibre cement coverings. It is also used for restoring old bitumen waterproofing.

Support preparation

The substrate must be clean and firm without any traces of grease, flakes of old paint, rust or mildew.

To prevent the formation of bumps caused by excessive humidity in the substrate, make sure the latter is perfectly dry and cured before applying the product.

For particularly porous and friable substrates it is advisable to first apply a coat of the product diluted with about 40% water, acting as a primer.

This will saturate the pores of the substrate and improve adhesion of the waterproofing product.

In the case of old bitumen coating, brush vigorously with water and in case of protective aluminium varnish use an appropriate solvent.

Product application

FYBRO HP is ready for use and can be applied with a brush or roller, or partly diluted with water and sprayed on.

Apply two or more thin coats, brushing first in one direction and then in the opposite direction, in a uniform manner and in either the same or a different colour.

Always wait for a coat to dry before applying a new one (it can take 4 to 12 hours to dry, depending on weather conditions).

After completion you should have used no less than 1,5 kg/m² of FYBRO HP.

For wall-floor or wall-wall edge treatment it is necessary to apply a thick layer of FYBRO HP and embed a strip of BANDTEC in it and go over this again with more of the fresh product.

The strip must extend over the floor for at least 10 cm.

Construction joints or fracture joints are treated using BANDELLA, laid as an inverted omega and embedding the mesh sides with FYBRO HP.

When dry, apply a second coat of FYBRO HP.

Yield

1.5 kg/m² per millimetre of thickness.

Packaging

FYBRO HP is supplied in plastic containers of 10 and 20 kg.

Keep the product in a dry environment and properly sealed in its original packaging, at a temperature between +5°C and +35°C, protected from direct sun light and frost.

In this way, the product will remain in perfect condition for at least 12 months.

Warnings

All the tools used to apply FYBRO HP must be cleaned with water before the product hardens.

Do not apply the product when ambient temperature is less than +10°C or when humidity exceeds 80%.

Protect FYBRO HP against rain and water until it has fully dried.

It can be touched up again later, after cleaning the surface.

For further information or details on any particular use, please contact our technical office.

Safety instructions

The product does not contain solvents and is not, therefore, flammable or harmful to health.

Wear protective gloves and eyewear.

Specifications

Decorative positive side waterproofing for cement surfaces with cold fibre reinforced elastomeric liquid membrane (FYBRO HP produced by TECA), for brush, roller or spray application using no less than 1,5 kg/m².

The final coating is UV resistant and treadable when left exposed.

Technical data

| Technical characteristics | Value | Tolerance |
|-----------------------------------|--|-----------|
| Appearance | paste | |
| Standard colours | white, grey, red, black, green | |
| Mass density (g/cm ³) | 1,5 | ±3% |
| pH | 9 | |
| Dry residue | 60% | |
| Application temperature range | from +10°C to +35°C | |
| Initial gardening time | 4 hours | |
| Complete hardening | 48 hours | |
| Ageing resistance | excellent | |
| Wear resistance | good | |
| Temperature resistance | from -40°C to +90°C | |
| Elongation at break (EN12311-1) | 200% | ±15% |
| Adhesion on concrete (EN 1542) | > 0,8 (N/mm ²) | |
| Water permeability (EN 1062-3) | W < 0,1 (kg/m ² .h ^{0,5}) | |

Data measured at 23°C-R.H. 50% without ventilation.

Packaging

| Pail size | Pails per pallet |
|-----------|------------------|
| 5 kg | 125 |
| 10 kg | 64 |
| 20 kg | 42 |

We reserve the rights to change or modify the nominal values without prior notice or advice. The information contained in this data sheet are based on our experience. We cannot take any responsibility for a possible incorrect use of the products. The customer has to choose under their own responsibility a product fit for the intended use.