

PRODUCT No.: 1.503

HUM-PROT MATE

COLOURLESS SURFACE WATER REPELLER

CHARACTERISTICS:

HUM-PROT MATE is a colourless, liquid surface water repellent, which has been formulated based on polyalkylsiloxane resins and organic solvents, especially designed for hydrorepellent treatment of surfaces.

Due, on one hand, to the low molecular weight and the relatively small size of the polyalkylsiloxanes and, on the other hand, to the type of solvents used, it has a high penetration power in the most frequently used materials in construction, thus getting better results in hydrofugal treatments.

HUM-PROT MATE does not form continuous films on the material surface avoiding the passing of water vapour, but penetrates into the support where, through polymerisation processes causes hydrorepellent effects, not altering practically the vapour transmission rate of the material, allowing what's commonly known as substrate breathing.

Due to the structural composition of the resin, **HUM-PROT MATE** has good alkalinity resistance, which allows high hydrorepellent action treatments on material with alkaline character.

The colourless appearance of **HUM-PROT MATE** allows treatments which, in general, don't alter or affect the original colour of the treated materials; anyway, it's recommended to make previous tests, given the great range of materials which can be hydrofuged with **HUM-PROT MATE**.

The hydrorepellent effects of the surfaces treated with **HUM-PROT MATE** are characterised by the presence of a noticeable pearly effect (drop formation) after a few hours of applying the treatment. The total development of its hydrorepellent power is not completed after about 48 hours from application.

FIELDS OF APPLICATION:

HUM-PROT MATE is especially developed for hydrorepellent treatment of most of the materials used in building outside walls in civil works, industrial premises, etc.

METHOD OF USE:

HUM-PROT MATE must be used always pure, as it's supplied. It can not be diluted or mixed with other products. The materials to be treated with **HUM-PROT MATE** must be **totally dry**, perfectly clean and free from loose or decayed material. When in presence of substrates or materials which are spoilt by carbonatation, and/or cracks, these should be repaired with no-retraction mortars, such as our **PREMHOR®** or, if necessary, with polyurethane mastics such as our **SATECMA ELASTIC PM33®**

The application of **HUM-PROT MATE** must be made by **soaking till saturation** of the surfaces, which can be made by curtain spraying, brushing or with soft hair brushes. In case of making the application in several coats, (when in presence of highly absorbent materials) it must be considered the need of making the application **wet on wet**, that is, the second coat must be applied just after finishing the first, not letting the time between coats be more that the strictly necessary.

Do not apply in summer, on surfaces directly exposed to sun, or when temperature is higher than 30-35 °C.

When after applying the products there are remainders in the containers, these must be kept tightly closed, since dampness and carbonic dioxide are enough to star the polymerisation process, irreversible process which turns the product useless

YIELD:

The yield when applying **HUM-PROT MATE** highly depends on the absorbing power of the material and, as a consequence, the yield to get substrate saturation strongly vary with the type of material. Just as an orientation, we can indicate yields about **3 – 6 m² per litre**.

PRECAUTIONS:

Flammable. Harmful if swallowed. Keep out of the reach of children. Protect from ignition sources. Store in cool and dry places.

PACKAGING:

HUM-PROT MATE is packaged in 25, 50, 100 and 208 litres non-reusable, metal drums.

ADVANTAGES

- Easy to apply.
- High hydrorepellent power.
- Long-lasting in any type of support.
- Protects against dirt fixing (smog).
- Does not alter the appearance of most of the materials.

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