

BITUMINOUS LIQUID MEMBRANES



Vodipren

Unobit

Water-based liquid polyurethane-bituminous membrane, with a pasty consistency, one component, colored, walkable and tileable, multifunctional



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FEATURES

VODIPREN UNOBIT is a new and innovative liquid system based on polyurethane resins and bitumen, with the addition of appropriate inert fillers that allow the dried product to have good waterproofing, flexibility, mechanical resistance and adhesion to any type of substrate. The product is characterized by an ease of installation which allows a considerable saving in the execution of the works.

Due to these characteristics, **VODIPREN UNOBIT** can be considered a valid alternative to prefabricated bituminous membranes and mono and bi-component cementitious waterproofing products used in waterproofing and re-waterproofing existing substrates.

The product is ready to use and is also available in the fiber version (**VODIPREN UNOBIT-F**).

At low temperatures the product tends to become stiff, therefore, only in these cases and for roller and brush applications, it will be necessary to dilute it up to 5% with drinking water or better with the product **VODIECOPRIMER** (water-based bituminous primer).

PRIMARY USES

VODIPREN UNOBIT is used in combination with **VODITES** (TNT of 60 or 100 gr./mq.) And is mainly used to waterproof new structures in CLS, sloping screeds, in lightened CLS or cellular CLS (in this case it will be appropriate to dress the substrate with the product **VODIEPOXY PRIMER**) but is also advantageously used for the re-waterproofing of any type of roof (old bituminous membranes, pre-existing floors, etc.).

VODIPREN UNOBIT is self-protected, therefore it does not require additional colored protectors normally used on bituminous roofs. The colors available are gray and brick red.

INSTRUCTIONS FOR USE

It will always be advisable to prime the surfaces to be treated, after careful cleaning of the substrate, using from 0.150 to 0.300 kg per square meter of **VODIECOPRIMER** (bituminous water primer) or **VODIPRIMER** (bituminous solvent primer).

If the surface of the terrace or balcony has a significant moisture content, due to the absorption of rainwater, it will be necessary to apply **POLYMEX BARRIERA** (three-component cement barrier against rising damp).

We will then proceed with the application of a strip of **VODITES** 60 or 100 gr / m² of suitable height in all corners as a connecting element between the horizontal and vertical surface, using **VODIPREN UNOBIT** as an adhesive with a consumption of Kg. . 0,750 / sqm. immediately impregnating **VODITES** 60 or 100 gr./mq. After drying (from 24 to 48 hours at 20 °C), a first coat of **VODIPREN UNOBIT** will be applied with a consumption of approximately 1-1,500 kg / m².

After drying (from 24 to 48 hours at 20 °C), a second coat of the product will be applied with a consumption of about 1-1,500 kg / m², preferably of a different color, this allows better control of the product's application at the in order to be sure to cover the entire surface evenly.

Surfaces can then be paved using a good glue for exteriors, preferably mixed with 10% **VODILATEX** (liquid adhesion for concrete and mortar), replacing 10% of the mixing water.

TECHNICAL SPECIFICATIONS

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| Aspect: | semi-dense paste, ready to use |
| Color: | grey, red |
| Specific gravity: | 1,550 Kg./dm ³ ± 3% |
| Dry residue in weight: | 78% ± 3% |
| Cold flexibility: | - 10 °C |
| PH: | 8,5 - 9 |
| Dilution: | max 5% with VODIECOPRIMER or with drinking water |
| Elongation at break: | 80 ± 20% (with T.N.T. or fiber) |
| Waterproofing: | total |
| Flammability: | not flammable |
| Elasticity: | 500% |
| Walkability: | good |
| Drying time: | out of touch: 1h at 20 °C, U.R. 50% |
| U.V. resistance: | excellent |
| Waiting time for each application: | minimum 24h at 20 °C |
| Quantity for each application: | Kg./mq 1,5 max |
| Maximum total quantity: | 4 Kg/mq |
| Thickness obtainable with 3 Kg: | about 1,6 mm |
| Consumption: | from 2 to 3 Kg/mq |
| Packaging: | Kg. 5; Kg. 10; Kg. 20 |
| Storage: | 12 months in original cans |

PRECAUTIONS

Avoid applying **VODIPREN UNOBIT** on damp surfaces, in full sun, on very hot supports, at temperatures below 5 °C, in anticipation of rain or fog. The optimal laying conditions must be guaranteed for at least 20 hours after application. Tools must be cleaned with water until the product is dry. The package cannot stand freezing.

Shake the product with a drill fitted with a fan to pay homage to any sedimented product.

For roller or brush applications, dilution with 5% water or better with the product VODIECOPRIMER (bituminous water-based primer) is recommended.



The **ecological** aspect of the product has also been thought of in the packaging of the same in a polyethylene bag contained in the plastic bucket, in order to be able to **completely** recover the package which, otherwise, must be disposed of in a special landfill.

Last update: 11/03/2021.

This data sheet replaces the previous ones.

The instructions and details contained in this data sheet are based on our best knowledge and experience. For further information, please contact the Technical Department.

POLYMERBIT SRL reserves the right to change the data provided without notice.

