



TOP
WATERPROOFING

UNIiBIT

UV RESISTANT BITUMEN-POLYMER LIQUID MEMBRANE

Technical data sheet

Description

UNIiBIT is a liquid membrane in water dispersion based on bitumen modified with new generation polymers and selected fillers providing excellent adhesion to various kinds of surfaces, good resistance to **standing water** and excellent resistance to atmospheric agents and UV rays.

The development of the new **Grip Control** technology allows safe application of different kinds of overlapping coatings, such as levelling compounds and cement adhesives or polymer coatings of different nature such as REFLEX+. Product innovation consists of combining a waterproofing system having a high content of bituminous emulsions with systems of different nature so as to ensure safe waterproofing works with an excellent cost-performance ratio.

Fields of application

Suitable for waterproofing and protecting, both horizontally and vertically, concrete surfaces, metal, coatings, plasterboard, wood, cement surfaces, ceramic tiles, wooden roofs, balconies, terraces, foundations, bathrooms, showers, vases, flower pots and for the restoration of bitumen-polymer membranes.

Suitable for waterproofing ancient bituminous membranes and for the application of protective coatings such as REFLEX+ (COOL ROOF system), polymer and aluminium coatings.

It can be used before laying cement materials such as levelling compounds or coatings for the protection of foundations and cement mortar beds for flat or bent tiles on pitched roofs.

After drying, it forms an elastic and continuous film with neither seams nor overlaps providing the structures under treatment with excellent resistance to atmospheric agents in general and above all to UV rays with the application of REFLEX+.

It can be left exposed.

Occasionally walkable membrane (not for continuous traffic) with good resistance to standing water. It can be used as a valid alternative to flame application of prefabricated bituminous membranes.

It is available in the following colours: ANTHRACITE (BLACK after drying) and DARK RED (only upon demand for at least 1000 kg).

Consumption:

2,5/3 Kg/m²

Performance

- ✓ High U.V. resistance
- ✓ Grip Control: technology allowing the application of overlapping cement mixes or coatings

Continuous waterproofing system



Restoration of ancient bituminous membranes



Istruzioni per la posa

It can be applied by brush, trowel, broom or roller.

It should be laid on perfectly dry and clean surfaces. The slab should not contain more than 3 percent residual moisture. Otherwise, it is advisable to apply one coat of EPX TIXO acting as a vapour barrier. Porous and/or dusty surfaces should be previously primed with one coat of VELAPRIMER ACW (water-based primer, consumption 0,200 Kg/m²).

The product should be laid in multiple coats until reaching a value of approximately 2,5/3 Kg/m² (due to the application of approximately two or three coats).

It can be used VELASET (reinforced polyester) between application two single coats of UNIiBIT, to improve **UNIiBIT** mechanical properties and to achieve uniformly minimum thickness recommended.



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Warning

Do not apply at a temperature lower than + 5°C or higher than + 35°C, always considering both environmental and substrate temperature. The product should not be applied outdoors **in the presence of persistent fog or in case of imminent risk of rain** which may wash it away, ensuring that climatic conditions remain unchanged even 72 hours after application.

Check the presence of any surface condensation (**dew point**) which may affect product characteristics. Checks should be carried out even before applying the second coat.

UNIIBIT is a single-component ready to use product which must not be diluted. Before application, shake it slowly only if necessary.

Do not apply to recently laid bituminous membranes as the migration of light substances contained in bituminous mixes may cause coating detachment. For smooth oxidized membranes in good condition or in the presence of residues of ancient coatings, the surface should be previously cleaned with a high pressure washer before applying the product. For damaged or highly deteriorated membranes, please contact our technical department asking for support.

The surface should have a 3 percent minimum slope. In summer, at the highest irradiance levels, it is advisable to lay multiple low thickness coats in order to avoid abnormal product drying.

Chemico-physical characteristics

Parameter	Value	Measurement unit	Tolerance
APPEARANCE	Thick paste	-	-
DRY FILM COLOUR RANGE	Black/dark red	-	-
DILUTION RATE	Ready to use	-	-
WAITING TIME – FOR TOUCH-FREE DRYING	6	hours	-
WAITING TIME – FOR COMPLETE DRYING AND FOR THE APPLICATION OF OVERLAPPING CEMENT MIXES OR COATINGS	72	hours	-
WAITING TIME FOR THE APPLICATION OF EACH COAT	24	hours	-
BROOKFIELD VISCOSITY (20 RPM, Spindle n°6, 20 °C)	28000	Cps	± 2000
pH (25°C)	8,5	-	± 0,5
SPECIFIC WEIGHT	1,38	Kg/dm ³	± 0,05
DRY RESIDUE	72	%	± 0,5
RECOMMENDED MINIMUM THICKNESS	2	mm	-
APPROXIMATE CONSUMPTION	2,5/3	Kg/m ²	-
COLD FLEXIBILITY	-10	°C	-

Packaging and storage

Available in 1, 5, 10 and 20 Kg buckets.

The product should be stored in sheltered areas at a temperature not lower than + 5 °C or not higher than + 35°C.

IT FEARS THE FROST. It should be used within one year after the date of purchase.

The above-mentioned values can be subject to update or change. IIVELA S.r.l. reserves the right to modify them at any time without prior notice. For a correct use of our products, see technical specifications. For further information or any special use, please contact our technical department. Any suggestions or technical information provided represent our best knowledge regarding product characteristics and use. Considering different applications and any possible interference of elements beyond our control, the buyer must declare under his own responsibility that the product is suitable for the intended use.