

## MULTIGUM

### Technical features:

Multigum is a single-component elastomeric waterproofing coating in water dispersion that, once dried, forms a resistant, elastic and waterproof membrane that adheres perfectly to the supports on which it is applied.

Multigum is ideal as a coating and waterproofing of roofs, terraces and cement surfaces with complex geometry where it is not possible to apply rolls of polymer bitumen membranes, and where the presence of open flames or sources of heat increases the risk of fire.

It is also used for finishing rough or plastered concrete surfaces with a cementitious finish before gluing clinker or stoneware tiles.

It is also suitable on polymer bitumen membranes with slate flakes or mineral grit. The adhesion varies according to the degree of aging of the mantles themselves.

**Multigum is not a walkable coating: it can only be walked on in the event of occasional maintenance.**

### Preparation of the support:

Make sure that the surfaces to be treated are perfectly dry, dust-free and clean and that the cement supports (concrete or mortar) are stable, regularized and well consolidated. Any holes, cavities and cracks must be saturated.

On new talcate and sanded membranes wait until the polymer bitumen membranes reach the proper maturing. If the surfaces are particularly porous, apply the ISOLMUR primer according to the methods indicated in the technical data sheet.

### Application:

The application can be carried out by spray, brush or roller, taking care to mix well before use.

We recommend diluting the first coat with 5% -30% of clean water based on the absorption of the substrate.

For a good protection it is always advisable to apply two coats, preferably crossed. On substrates subject to microcracks Multigum can be reinforced between layers with a non-woven polyester reinforcement.

### Indicative consumption:

The application of two coats is equivalent to a consumption of 1Kg / m<sup>2</sup> with an average dry film thickness of 0.4mm.

The consumption of the material depends on the nature of the support, on the degree of porosity of the support and on the thickness to be obtained.

### Warnings:

- Store in original packaging at a temperature of not less than + 5 ° C. Close the containers after use.
- The application surfaces must have a minimum slope sufficient to allow rainwater to run off.
- Do not apply on wet or damp surfaces.
- Do not use for tanks, basements or channels subject to strong counter-pressure of water or pressurized water.
- Do not use for surfaces or containers of edible liquids, for drinking water or which may come in contact with solvents or mineral oils.
- Mix the product well before application.
- Keep containers closed before use.
- Apply at temperatures between + 5 ° C and + 35 ° C. Extreme conditions of heat and cold during application are to be avoided.
- Do not apply when the temperature may fall below + 5 ° C during drying of the paint film.
- Do not apply on very hot substrates as the paint filming process would be excessively accelerated with negative consequences on the cohesion and adhesion of the product to the support.

The newly applied bituminous surfaces generally have surface outcrops of hydrocarbons which make the perfect adhesion of the coating film problematic it is recommended to apply on the mantles only after 6 months from their laying, a period generally sufficient for the elimination of outcrops. However, the simple waiting is not always sufficient, therefore a preliminary evaluation of the surface is recommended by empirical tests with tape adhesive, in order to evaluate the amount of dirt and possibly the adhesion. In case of a dirty surface, it must be cleaned by brushing and washing with water.

In case it is foreseen the immediate laying on a new blanket, the surface of the last layer must be slated.

via G. Galilei 39 • 35035 Mestrino (PD) • tel +39 049 904 8611 • fax +39 049 900 1695

[www.multichimica.it](http://www.multichimica.it) • [clienti@multichimica.it](mailto:clienti@multichimica.it) • [lab@multichimica.it](mailto:lab@multichimica.it)

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## Technical characteristics

### Physical characteristics

Appearance	Pasty liquid
Colour	White, Grey, Red, Green
Density (EN 2811-1)	1,40 ± 0,1 kg/L
Viscosità Brookfield	20000 ÷ 30000 cps
Storage in original packaging in a dry place, away from frost	12 months

### Performance characteristics

Class and type (EN 1504-2)	C PI-MC-IR
Cold flexibility (UNI 1109)	-5°C
Permeability to aqueous vapour (EN 7783)	Sd < 5m – classe 1
Adherence test (EN 1542)	≥ 0.8 MPa
Capillary water absorption (EN 1062-3)	w < 0.1 kg/m <sup>2</sup> ·h <sub>0,5</sub>
Permeability to CO <sub>2</sub> (EN 1062-6)	Sd > 50 m
Ultimate elongation (NFT 46002)	400 ÷ 100%
Ultimate tensile strength (NFT 46002)	1.0 ÷ 2.0 MPa
Thermal resistance - Operating temperature	-10°C ÷ +90°C

### Workability characteristics

Application thickness	0,4 mm (two coats)
Waiting time - dust-free drying	4 ÷ 6 hours
Waiting time - touch dry	6 ÷ 8 hours
Waiting time - total dry	2 ÷ 4 days
Application temperature	+5°C ÷ +35°C
Application	manual or spray

*These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorbency.*

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