



One-pack, elastic cement-based mortar.

DESCRIPTION

Single-component elastic fibrated cement mortar for positive and negative pressure waterproofing. It allows to solve the problem of fissured supports in a definitive way, suitable for waterproofing tanks for the containment of water or subfloors both external and internal, before laying the floor. Ideal for the protection of reinforced concrete from CO₂, SO₂, chlorides and sulphates. Applicable in low thicknesses also to brush. Restricted to professional users. For indoor and outdoor.

MAIN PROPERTIES

- One-pack, waterproofing agent;
- Also for containment tanks

TECHNICAL DATA

Initial tensile traction (EN 1348:2007)	>0.5 N/mm ² – FP:B
Volatile organic compounds (VOC)	Not covered by Directive 2004/42/CE.
Classification (UNI EN 1504-2)	Base-coat smoothing compound, single-component, with chemical-physical curing.
Granulometry (EN 13300 / EN 1062)	0.5mm
Vapour permeability (class V) (EN 1062)	Class I, (>150 g/(m ² ·d))
Water absorption (class W) (EN 1062)	Class W2, < 0.1 Kg/m ² h ^{0.5}
Adhesion on concrete (EN 1542)	≥ 1,0 N/mm ²
Carbon dioxide permeability (EN 1062)	Sd > 50 m
Bulk volume in paste	1500 ± 50 g/l
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Type of binder	Cement-based (UNI 8681: TA)
Solid content	100%
Mixing Ratio	24% with water; 4.8 Litres per 20Kg package
Maximum application thickness	5mm in two coats
Drying time	24-48 hours between coats. At least 10 days before covering. Drying time depends greatly on environmental conditions.
Elongation at break	30 ± 2%
Unit load at break	0,6 ± 0,1 N/mm ²
Crack bridging rate (EN 1062-7)	in standard conditions (+23°C) ≥ 0.75mm at very low temperatures (-5°C) ≥ 0.75mm

CHARACTERISTICS

Pot-life of mixture	About 1 hour
Coverage	1.2 kg/m ² per mm of thickness
Overpaintable	Compatibility with other products: compatible with all water-based products
Colour range	Grey
Dilution	Water

APPLICATION

Notes:

Do not apply on surfaces that are in direct sunlight, frozen or very hot. Do not apply when it is very windy or when there is fog or rain. The conditions must last at least 2 days after application.

The product must not be left unfinished. Exposure to direct sunlight may impair performance. Apply a protective finish in accordance with the cycle.

Suitable Substrates:

Waterproofing and protecting basic substrates, cement, concrete and plaster.

Avoid use on gypsum-based surfaces, metal, tar and wood.

Do not apply directly to very porous substrates such as lightweight or expanded clay screeds

Ambient Conditions:

min +8°C max +30°C

Preparation of the Substrate:

All substrates shall be properly matured and carefully prepared by manual or mechanical brushing and/or washing. Slightly moisten the surfaces before application of MONOFLEX, any excess water must be removed with compressed air or sponges immediately before application, never apply on media saturated with water. Avoid application on gypsum substrates and substrates with poor mechanical strength.

Type of Equipment:

spatula, mason's trowel, low speed mixer

Application Procedure:

Pour clean water into a suitable container, then slowly add MONOFLEX with a low speed mixer.

Mix thoroughly for several minutes until the mixture is smooth and free of lumps. Do not prepare the mixture by hand. Using a spatula or spraying equipment, apply to a maximum thickness of about 2 mm. Wait 4-5 hours and apply a second coat. In dry weather or highly ventilated areas, protect the surface from rapid evaporation with plastic sheets.

If the substrate is badly cracked or damaged, add a glass fibre mesh weighing 160 g/m² with an anti-alkaline treatment to the MONOFLEX.

Any deep extensive cavities on the substrate should be repaired with Towerip.

In the case of bedding cracks, plastic or hygrometric shrinkage must be sealed beforehand with Primer Tack.

Laying of the ceramic tiles on Monoflex: laying with wide gaps with cement adhesives Glueflex Ultra (s1); plastering the joints between the tiles with special Sigiltow FL.

If there are expansion joints, comply with them by inserting the Banda Rotolo.

STORAGE

Disposal and safety indications:

Dispose of in accordance with local regulations.

For information on possible hazards, refer to the safety data sheet

Packaging:

5 kg - 20 kg bags

Storage:

1 year on a pallet and when stored in a dry place in undamaged packages at between 5 and 30°C.

TECHNOLOGIES/CERTIFICATIONS

