



## Waterproofing skim coat for contact with drinking water

### DESCRIPTION

Two-pack, elastic waterproofing cement-based skimming mortar for contact with drinking water. Suitable for waterproofing tanks used to hold drinking water in compliance with Italian Ministerial Decree dated 21/03/1973 and subsequent amendments thereto as per certificate no. 141921 issued by Istituto Giordano. It can also be used to waterproof floor substrates before paving. For indoor and outdoor use.

Elongation at break: 45% ± 5% / Tensile strength = 0.9 ± 0.1 MPa

### MAIN PROPERTIES

- Waterproofing against pressurized water: no penetration;
- Resistance to water (positive pressure): 1.5 atm;
- For drinking water

### TECHNICAL DATA

Classification (UNI 8681 / UNI 8682)	Two-pack, chemical and physical drying, solvent free skim coat for base coat.
Granulometry (EN 13300 / EN 1062)	0.5mm
Reaction to fire (EN 13501-1)	A2, s2-d0
Vapour permeability (class V) (EN 1062)	Class I, (>150 g/(m <sup>2</sup> ·d))
Water absorption (class W) (EN 1062)	Class W2, < 0.1 Kg/m <sup>2</sup> h <sup>0.5</sup>
Adhesion on concrete (EN 1542)	≥ 1 N/mm <sup>2</sup> 0.55 N/mm <sup>2</sup> after immersion in basic water 0.55 N/mm <sup>2</sup> after immersion in water 1.2 N/mm <sup>2</sup> after heat 0.55 N/mm <sup>2</sup> after freeze-thaw cycles 0.6 N/mm <sup>2</sup> to concrete in water
Carbon dioxide permeability (EN 1062)	> 50 m
Apparent bulk volume	polvere: 1400 ± 50 g/l - COMP B: 1050 ± 50 g/l
Bulk volume in paste	A + B: 1800 ± 50 g/l
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Type of binder	Cement-based (UNI 8681: TA)
Solid content	100%
Mixing Ratio	Pack A should only be mixed with pack B; 9 litres of pack B with 25 kg of pack A
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.

### CHARACTERISTICS

Pot-life of mixture	About 1 hour
Coverage	1.75 kg/m <sup>2</sup> 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.

### Suitable Substrates:

Waterproofing and protecting cement-based, concrete and plaster substrates. Do not use on gypsum-based surfaces

### Ambient Conditions:

min +8°C max +30°C

### Preparation of the Substrate:

All substrates should be carefully prepared by manual or mechanical brushing and/or washing. Moisten the surfaces before applying TOWFLEX AP; excess water should be removed with compressed air or sponge immediately before application. Do not apply on gypsum-based substrates or materials with low mechanical strength.

### Type of Equipment:

serrated spatula, mechanical low speed mixer

### Application Procedure:

Pour TOWFLEX AP pack B into a suitable container, slowly add TOWFLEX AP pack A while mixing with a low speed mixer. Do not add water or other ingredients. If only a part of the contents is to be used, the components must be weighed. 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 5-7 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 subject to deformation, add a glass fibre mesh weighing 160 g/m<sup>2</sup> with an antia-alkaline treatment to the TOWFLEX AP.

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

## STORAGE

### Disposal and safety indications:

Dispose of in accordance with local regulations.

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

### Packaging:

34 kg KIT: Pack A: 25 kg bags +

Pack B: 9 kg cans

### Storage:

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

## TECHNOLOGIES/CERTIFICATIO

