

COMPLIANT WITH EU NORM
UNI EN 1504-3
R3
REPAIR MORTAR

## NATURE OF THE PRODUCT

Formulated by WINKLER's Research & Development laboratory, WINPLASTER is a product containing additive agents for shrinkage control in both the plastic and hardened stage.

## USES

Product used to waterproof skirting at the foot of the plaster (stucco) even on bitumen-polymer membranes and WINKLER waterproofing materials and for levelling and waterproofing concrete or plaster walls. Product with excellent workability that can be applied at thickness of 2 - 3 cm in a single coat. For greater thickness, use a plaster holder mesh.

## SURFACES PREPARATION

Remove the degraded concrete/plaster, if needed carefully sand or pressure wash the surface, which should be free of salt, oil, grease, flaky parts and foreign or non-stick substances.

Use WINGRIP NEXT as primer coating both on bitumen membranes and on WINKLER liquid waterproof membranes. Wait at least 1 hour for WINGRIP NEXT to cure before applying the pre-mixed product.

Saturate the substrate with water before application in case of concrete.

## RECOMMENDATIONS

Do not add cement or additives.

Do not use if the bag is damaged.

Do not add water when the mixture begins to set.

Do not apply on smooth surfaces.

## APPLICATION

Mix well, until reaching an even mix consistency. The product can also be used as a rendering coat, just by adding more water (see USAGE); wait for 4 to 5 hours before applying WINPLASTER for single-coating thicknesses of 2 to 3 cm. The product can be applied using a trowel or sprayed.

### CAUTIONS

We recommend applying at temperatures between +5 ° C and +35 ° C. Protect from direct sun and wind for the first 24 hours; if necessary continue to moisten the surface after application. Before use store product away from frost and in an environment protected from humid conditions. Mix with clean cold water. Fresh mortar can be removed from tools used with water. After hardening cleaning can be carried out only mechanically.

Maximum thickness: 4 cm (reinforced)

We recommend using the quantity of water indicated in the technical data table.

### CONSUMPTION

Rendering: 1,5 kg/m<sup>2</sup> per mm of thickness.

Plaster: 1,6 kg/m<sup>2</sup> per mm of thickness.

### PACKAGING

25kg bags

### STORAGE

The product, in its complete undamaged packaging, remains stable for 12 months. Store at temperatures ranging between +5°C and +35°C in a dry place.

## SAFETY NORMS

### PRECAUTIONS

For information about safety norms, the user must consult the most recent Safety Sheet, edited in conformity with the Norms in force, containing physical, toxicological and other data about the product in use.

### ECOLOGY

Do not throw the product and /or empty packs out in the environment. Consult the most recent Safety Sheet for further information about eventual disposals.

### TECHNICAL DATA (average values)

Appearance:	powder
Colour:	grey
Water required (%) per bag (kg 25):	5.25 ltrs for rendering 4.5 ltrs for plaster
Density of the mixture	1.80±5 g/m <sup>3</sup>
pH	>12
Pot-life at +20°C:	50 minutes

### PERFORMANCE OF THE PRODUCT IN USE

ADHESION TO SUBSTRATE after 28 days (EN 1542) (N/mm <sup>2</sup> ):	
Concrete	≥ 1.5
Fibre cement	≥ 0.6
Brickwork	≥ 1.0
WINGRIP EVO on membrane	≥ 0.8 < 0.9
Water absorption (% of weight) after 7 days of immersion	≤ 0.6
Permeability with positive pressure (UNI EN 14891)	≥ 4 bar
Permeability with negative pressure	>1.5 < 2 bar

### PERFORMANCE OF THE PRODUCT IN USE ACCORDIN TO UNI EN 1504-3

Compression strength (EN 12190)	≥ 25 N/mm <sup>2</sup>
Flexural strength (EN 12190)	≥ 3 N/mm <sup>2</sup>
Chloride ion content (uni en 1015-17)	≤ 0.05%
Adhesin bond: concrete MC(0.40) (UNI EN 1542)	≥ 1.5 N/mm <sup>2</sup>
Restrained shrinkage/expansion (UNI EN 12617-4)	≥ 1.5 N/mm <sup>2</sup>
Durability: Carbonation Resistance (UNI EN 13295)	Pass
Reaction to fire	A1

### Volatile Organic Compounds Emission

Parameter	Max. allowed concentration (µ/m <sup>3</sup> )
TVOC after 3 days	≤ 750
TVOC after 28 days	≤ 60

Test performed by the EUROFINS institute according to EN 16516, ISO 16000-3-6-9-11 and ASTM D5116-10, Test report n. 392-2018-00081401\_G\_EN

### PRODUCT FOR PROFESSIONAL ONLY

Product complies with the requirements of 2003/53 / EC regulation

The information contained in this technical data sheet is to the best of our knowledge correct. However, by no means can it be considered a guarantee, as usage, working area and application of the product in accordance with the instructions given and their success in application is beyond our control and is dependent on a number of factors. We decline any responsibility for the improper use of the product as the application recommendations contained herein are to be considered as a general guideline. If at all in doubt, preliminary tests should be carried out. WINKLER S.r.l. reserves the right to modify and up-date said data sheets without prior notice. Clients are kindly requested to verify that they are in possession of the current edition.