

COMPLYING WITH THE UE RULE

UNI EN 998-1

R

RESTORATION MORTAR

## DESCRIPTION

Macro-porous dehumidifying plaster based on hydraulic binders with special additives and fillers suitable for favoring porosity, maintaining good breathability, formulated in the WINKLER Research & Development laboratories.

## APPLICATION FIELDS

Product used in recovery cycles on damaged surfaces because of rising damp. It can be applied on bricks, tufa, concrete and plasters, it assures great results even in low thickness (1,5 cm). The product does not need any preventive anti-salt treatment and is used even as rough coat.

## PREPARATION OF SURFACES

Remove the plaster from the substrate, until 80-100 cm beyond visual dampness, then clean carefully the surface which shall be free from salts, grease, oils and anti-adherent substances. Soak it and apply the product by trowel or air-spray gun. In order to get a more agreeable exposed side, we advise to apply our levelling WF05 - RASOSAN.

## WARNING

Do not add cement nor additives.  
Do not use in case the bag is damaged.  
Do not add water when the mix is starting hardening.  
Do not apply on asphalt surfaces or treated with bitumen.

## APPLICATION

Mix well with clean water (see quantities indicated in CONSUMPTION paragraph), until getting a homogeneous paste. The product can be applied by trowel or air-spray and finished by wooden trowel. For final levelling use WF05-RASOSAN.

## ADVICES

Apply between +5°C and +35°C. Protect from sun and wind during the first 24 hours and if necessary keep on dampening the surface even after the application. Store the product, before use, away from frost and in an environment protected from moisture. Mix with cold water. Remove fresh mortar from the tools with running water. After hardening, tools must be cleaned mechanically.

## CONSUMPTION

Rough coat: water dosage 5.5lt per bag (22%) -1,7 kg/m<sup>2</sup> per mm of thickness.  
Plaster: water dosage 4.25lt per bag (17%) -1,5 kg/m<sup>2</sup> per mm of thickness.

**PACKAGING**

25kg bags.

**STORAGE**

The product has a 12 months stability if properly closed in its original packaging. Store at temperatures between +5°C and +35°C.

**SAFETY INSTRUCTIONS****PRECAUTIONS**

For information about safety, user must refer to the most recent Safety Data Sheet, edited in accordance with the regulations in force, which contains physical, toxic and other data about the product in use.

**ECOLOGY**

Do not through out the product and/or empty containers in the environment. Consult the most recent Safety Data Sheet for further information about disposals.

**TECHNICAL DATA (average values)**

WF03-WINTOSAN complies with the requirements defined in ENV 998-1 ("Guaranteed performance mortar with high porosity and reduced capillary action, to restore damped masonry walls") and to the minimum requirements of classification (R) RESTORATION MORTAR

**PRODUCT FOR PROFESSIONAL USE ONLY**

Max diameter aggregate particles:	3 mm
Appearance:	powder
Color:	light grey
Water for mixture per 25 kg bag:	4.30 litres, Max. 5.50 litres
Mixture specific weight EN 1015/6(Kg/m <sup>3</sup> ):	1600
Mixture porosity (EN 1015-7):	>20%
Pot-Life (20°C)	2 hours
Custom code	3824 50 90

### **PRODUCT PERFORMANCES ACCORDING TO UNI EN 998-1**

Compressive strength (EN 1015-11)	14.5 N/mm <sup>2</sup> (class CS II)
Adhesion (EN 1015-12)	≥ 0.40 N/mm <sup>2</sup> (Break type: B)
Water absorption by capillarity (EN 1015-18)	≥ 3.1 Kg/m <sup>3</sup> (water infiltration ≤ 5mm)
Water vapor permeability μ (EN 1015-19)	≤ 15
Thermal conductivity λ (EN 1745)	0.70 W/m · K
Fire reaction (EN 13501-1)	A 1

### **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 meets with prescriptions of 2003/53/CE Directive.

### **PRODUCT FOR PROFESSIONAL ONLY**

Product complying with prescriptions of 2003/53/CE Directive.

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.