

COMPLYING WITH THE EU NORM

UNI EN 998-1

**GP**

MORTAR FOR GENERAL  
PURPOSES

## DESCRIPTION

Cementitious and ultra-quick set premixed mortar to stop localized water seepage, developed by WINKLER R&D Laboratory.

## USE FIELDS

Ultra-fast setting and extremely resistant product for blocking infiltrations or localized water seepage, even under pressure, from cracks, crevices or leaks. It can be used on mass concrete and masonry in general.

## SURFACE PREPARATION

Thoroughly clean the surface which must be free of salts, oils, fats, friable parts and foreign or non-stick substances. For a better seal, it is recommended to widen the "dovetail" hole.

## WARNING

- Do not add cement or additives.
- Do not use if the bag is damaged.
- Do not add water when the paste starts setting.
- Do not apply on asphalt or bitumen-treated surfaces.

## APPLICATION

Mix by hand for approx. 40-50 seconds with clean water (21%) until a perfectly homogeneous and lump-free mixture is obtained. Apply by hand protected by a glove, making strong pressure for approx. 60-90 seconds. If the crack to restore is of considerable size, multiple applications are required.

## PRECAUTIONS

We recommend applying at temperatures between +5°C and +35°C. Protect from sun and wind in the first 24 hours, if needed continue to moisten the surface even after application. Store the product, before use, protected from frost and in an environment protected from humidity. Mix with cold water. Fresh mortar can be removed from the tools used for the preparation and application with running water. After hardening, cleaning is done only mechanically.

### CONSUMPTION

1 kg per 550cm<sup>3</sup>

### PACKAGING

5 kg bags – 4 pieces per box

25 kg bags – 60 bags per pallet

### STORAGE

The product has 12 months stability if properly packed and stored in a cool dry place. Store between +5° 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)

BLOCKWATER complies with the principles defined in EN 998-1 ("Guaranteed performance mortar for general purposes) in particular specifically for rapid restorations avoiding infiltrations.

## PRODUCT FOR PROFESSIONALS ONLY

Aspect:	Powder
Colour:	grey
Mixture pH:	< 12
Specific weight of mixture (EN 12350-6):	1850 Kg/m <sup>3</sup>
Water of mixture:	21%
Mixture pot life:	≤ 50 secondi

## CHARACTERISTICS OF THE HARDENED PRODUCT IN COMPLIANCE WITH THE UNI EN 998-1 STANDARD

Compressive strength after 28 days (EN 1015-11):	≥ 35 N/mm <sup>2</sup> (Class IV)
Adhesion strength (EN 1015-12):	≥ 2 N/mm <sup>2</sup> (Break: A)
Water absorption by capillarity (EN 1015-18)	$c \leq 0.20 \text{ kg/m}^2 \cdot \text{min}^{0.5}$
Permeability to water vapor $\mu$ (EN 1015-19)	≤ 0.2 W/m.K
Chloride ion content (EN 1015-17)	≤ 0.05%
Fire reaction (EN 13501-1):	A 1

### Volatile Organic Compounds Emission

Parameter	Max. allowed concentration ( $\mu\text{g}/\text{m}^3$ )
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\_02

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.