

# UNICRET-FAST

## Fast-setting, white repairing mortar

### Description

UNICRET-FAST is a white, fast-setting mortar, offering:

- Stable quality.
- Simplified application (needs only water).
- Fast work.
- Very good workability.
- Very good adhesion to the substrate.

It is certified with the CE marking as a GP CS II W0 mortar, according to EN 998-1 and according to EN 998-2, as a designed general purpose masonry mortar, for external use, in elements subject to structural requirements. Certificate number: 0906-CPR-02412008.

### Fields of application

UNICRET-FAST is suitable for fast render repairs.

### Technical data

Form:	cementitious powder
Color:	white
Water demand:	4.60 l/25 kg bag
Bulk density of dry mortar:	1.70 ± 0.10 kg/l
Bulk density of fresh mortar:	1.90 ± 0.10 kg/l
Compressive strength: (EN 1015-11)	3.00 ± 1.50 N/mm <sup>2</sup> Category M 1
Flexural strength:	1.20 ± 0.40 N/mm <sup>2</sup>
Initial shear strength: (tab. value)	0.15 N/mm <sup>2</sup>
Reaction to fire: (EN 13501-1)	Class A1
Density (dry hardened mortar): (EN 1015-10)	1,700 ± 100 kg/m <sup>3</sup>
Adhesion: (EN1015-12)	> 0.40 N/mm <sup>2</sup> (FP:B)

Capillary water absorption: (EN 1015-18) W0 (1.4 kg/m<sup>2</sup>min<sup>0.5</sup>)

Thermal conductivity coefficient ( $\lambda_{10,dry}$ ): (EN 1745, tab. mean value; P = 50 %) 0.75 W/(m·K)

Water-vapor diffusion coefficient ( $\mu$ ): (EN 1745, tab. value) 9

Pot life: 2 h at +20°C

Painting: after 3 h at +20°C

### Directions for use

#### 1. Substrate preparation

The substrate must be clean, free of dust, oil, loose materials etc. and should be thoroughly dampened, before the application of UNICRET-FAST.

On difficult or very smooth substrates, you may apply a spatterdash (rough cast) first, that consists of UNICRET-FAST improved with ADIPLAST latex, diluted in the mixing water at a ratio of ADIPLAST:water = 1:3 by volume.

#### 2. Application

UNICRET-FAST is added into water under continuous stirring, until the mixture formed obtains the required workability. It is applied like an ordinary render or masonry mortar and it is treated (rubbed) with a sponge-faced float, approx. 45 min after application.

### Consumption

Approx. 14.7 kg/m<sup>2</sup>/cm of layer thickness.

### Packaging

UNICRET-FAST is supplied in 25 kg paper bags and 5 kg plastic bags.

# UNICRET-FAST

## Shelf-life - Storage

- 25 kg paper bags:  
12 months from production date.
- 5 kg plastic bags:  
18 months from production date.

The above information is valid, provided that the product is stored in its original, unopened packaging, in places protected from moisture and frost.

## Remarks

- Temperature during application should be at least +5°C.
- The addition of ADIPLAST, polymer latex into the mixture of UNICRET-FAST causes a slight retardation of setting.
- In hot weather, UNICRET-FAST should be kept damp after application, to avoid water loss.
- UNICRET-FAST contains cement that reacts with water, forming alkaline solutions, thus is classified as irritant.
- Consult the directions for safe use and precautions written on the package.



### ISOMAT S.A.

17<sup>th</sup> km Thessaloniki – Ag. Athanasios  
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece

09

DoP No.: UNICRET-FAST/1223.1-03

### EN 998-1

General purpose rendering mortar (GP)  
for external use

**Reaction to fire:** Class A1

**Adhesion:** 0.4 N/mm<sup>2</sup> – **FP:** B

**Water absorption:** W0

**Water vapor diffusion coeff.:**  $\mu$  9

**Thermal conductivity:** ( $\lambda_{10, dry}$ ) 0.75 W/mK

**Durability (against freeze/thaw):** evaluation based on provisions valid in the intended place of use of the mortar

# UNICRET-FAST



0906

**ISOMAT S.A.**

17<sup>th</sup> km Thessaloniki – Ag. Athanasios  
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece

12

**0906-CPR-02412008**

**DoP No.: UNICRET-FAST/1223-03**

**EN 998-2:2010**

Designed general purpose masonry mortar for external use in elements subject to structural requirements

**Compressive strength:** Category M 1

**Initial shear strength:** 0.15 N/mm<sup>2</sup> (tab. value)

**Reaction to fire:** Class A1

**Density (dry hardened mortar)** 1700 kg/m<sup>3</sup>

**Water absorption:** 1.4 kg/m<sup>2</sup>min<sup>0.5</sup>

**Water vapor permeability:**  $\mu$  15/35 (tab. value)

**Thermal conductivity:** ( $\lambda_{10,dry}$ ) 0.75 W/mK (tab. mean value; P = 50 %)

**Durability (against freeze/thaw):** evaluation based on provisions valid in the intended place of use of the mortar

**ISOMAT S.A.**  
BUILDING CHEMICALS, MORTARS & PAINTS  
HEADQUARTERS – THESSALONIKI, GREECE  
17<sup>th</sup> km Thessaloniki – Ag. Athanasios Road  
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece  
T +30 2310 576000  
**www.isomat.eu e-mail: support@isomat.eu**