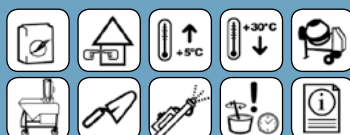




The reported data refers to O.C. tests taken in standard environmental conditions. Practical applications in the construction yard may detect significantly changed data, depending on operating conditions, so the information on the product card are only indicative because the user must always check its suitability for the intended use of the product by taking responsibility for the use. Fornacal Cealce Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice. Because of chemical and physical variables that affect operation principle (saline saturation of macropores), it is not possible to predict the durability of the curing effect.



## GRIGONOVA UNISAN



**Single layer macro porous dehumidifying plaster based on hydraulic binders.**

### Product Description

Dry premixed, fibre reinforced, lightened, based on a mixture of carefully selected special aggregates and a mixture of hydraulic binders and additives to improve workability and adhesion. The specific formulation allows to combine, in one product, a porous structure which helps the crystallization of salts, a high vapour diffusion enhancing the evaporation of masonry damp, a strong dehumidifying capacity and good protection from rainwater, all without requiring a prior anti-salt treatment.

### Fields of use

GRIGONOVA UNISAN may be applied both by hand and with a plastering machine on interior and exterior walls like brick, block, stone, travertine, etc. It is used in the rehabilitation of masonry attacked by salts or in the presence of outcropping moisture. The application must be made on surfaces free of dust, efflorescence, oils, fats and previously treated simply with GRIGONOVA UNISAN.

# UNISAN

## Surface Preparation and Application

Follow carefully the guidelines as reported in technical Specifications. For the preparation of the dough, in case of manual applications, mix about 20 liters of water for each 100 kg of dry product (approx. 4.5 lit/25 kg) in a concrete mixer or with a rotary hammer drill, to obtain a homogeneous mortar without lumps, with plastic consistency, capable to provide sufficient grip on the walls (about 7/8 minutes). In case of mechanical application, use the plastering machine fitted with a standard mixer but with the help of “turbo”, “rotor quill” or similar mixer. The use of a D8/1.5 type lung is imperative. Do not mix manually. Subsequently, apply GRIGONOVA UNISAN as a normal curing roughcast, by hand or plastering machine. The product will have to entirely cover the surfaces, with a minimum thickness of 5 mm. Do not smooth. The following day, after slightly moistening the covered surface, proceed with the second layer of GRIGONOVA UNISAN. Minimum thickness must not be less than 2 cm. The application thickness will be assessed, however, depending on the type and status of surface in question. It is recommended to even off the surface without exerting excessive pressure. In case of a total thickness of more than 4 cm, it is possible to increase the first coat up to 1-1.5 cm and then apply the second coat with a maximum thickness of 2.5 cm. In this case it is advisable to insert in the finishing an alkali resistant glass-fibre mesh to contrast possible micro-cracks.

## Supply and storage

GRIGONOVA UNISAN is supplied in special 25 kg bags. Store in a cool, dry and non-ventilated place. Keep packaging intact. Use before the expiry date stamped on the bag.

## Specifications

Cover the surface completely with GRIGONOVA UNISAN with a thickness of about 5 mm. The following day proceed with the application of a second layer of GRIGONOVA UNISAN. The product should be applied with a total thickness of minimum 2 cm, with a consumption of approx. 10 kg/m<sup>2</sup> per cm of thickness, the surface will be leveled with aluminum level. After curing is complete, apply a skim plaster reinforced with a fiberglass mesh such as AB 09 RASOCAL or alternatively AG 10 RASOTHERM. Then proceed to the final finishing with a mural coating of arteMURI line, with good water vapour permeability and high water repellence.

## Disclaimers

In cases of high contamination with salts, it is recommended to contact our technical service. Do not mix GRIGONOVA UNISAN with other substances. Do not apply to gypsum, inconsistent and brittle surfaces. We do not recommend using GRIGONOVA UNISAN when temperatures are below +5°C or above +30°C. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. Follow carefully the guidelines as reported in technical Specifications, and in particular with respect to:

- 1) Application method (thickness, timing);
- 2) Mixing method (% of water and mixing time)

The reported data refers to O.C. tests taken in standard environmental conditions. Practical applications in the construction yard may detect significantly changed data, depending on operating conditions, so the information on the product card are only indicative because the user must always check its suitability for the intended use of the product by taking responsibility for the use. Fornaci Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice. Because of chemical and physical variables that affect operation principle (saline saturation of macropores), it is not possible to predict the durability of the curing effect.

## UNISAN

| TECHNICAL DATA                                  | RESULTS  |
|---|--|
| Density hardened product                        | 1080 kg/m <sup>3</sup>                         |
| Maximum inert diameter                          | 1,4 mm   |
| Pot life  | 30 min   |
| Plastic withdrawal                              | Absent in standard termohygrometric conditions |
| Water in the mix                                | 18% ca.  |
| Theoretical yield                               | 10 kg/m <sup>2</sup> per 1 cm thickness        |
| Mechanical resistance to flexion at 28 days     | 0,8 N/mm <sup>2</sup>                          |
| Mechanical resistance to compression at 28 days | 2,5 N/mm <sup>2</sup>                          |
| Air content in hardened mortar                  | > 40%  |
| Capillary absorption coefficient W24            | ≥ 0,3 kg/m <sup>2</sup>                        |
| Water vapor permeability $\mu$                  | 8  |
| Adhesion to brick                               | 0,3 N/mm <sup>2</sup> - FP:B                   |
| Thermal conductivity $\lambda$                  | 0,29 W/m <sup>°K</sup>                         |
| Fire reaction                                   | A1 class                                       |

v. 02/2021

The reported data refers to O.C. tests taken in standard environmental conditions. Practical applications in the construction yard may detect significantly changed data, depending on operating conditions, so the information on the product card are only indicative because the user must always check its suitability for the intended use of the product by taking responsibility for the use. Fornaci Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice. Because of chemical and physical variables that affect operation principle (saline saturation of macropores), it is not possible to predict the durability of the curing effect.