

galileo

UNI RR

Light-colored, thixotropic, polymer-modified, fast-setting, shrinkage compensating, cement mortar, Class R2, for concrete restoration, to be applied in a single layer with a thickness of 3 to 50 mm

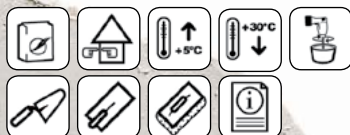


Product description

GALILEO UNI RR is thixotropic, fast-setting, light colored cement mortar, with excellent workability, for exteriors and interiors. Ideal for quick repairs and smoothing of concrete elements. Meets the requirements of EN 1504-3 with R2 resistance class.

Supply and Storage

Packaging: 25 kg bag. GALILEO UNI RR is available in special paper and high-density and thickness polyethylene bags that allow for the product to be stored in a dry place for at least 8 months.



Fields of use

GALILEO UNI RR is indicated for rapid interventions of non-structural recovery, regularization, restore and smoothing of concrete elements such as:

- Beams, pillars, panels, prefabricated elements;
- Corners and front sides;
- Non-regular jets (gravel nests, shrinkage joints, spacers holes).

The specific formulation also allows the execution of reinforced smoothing of the above elements using only one product.

Supports preparation and application methods

Before applying GALILEO UNI RR, it is necessary to properly clean the surface by scraping, sand-blasting or other suitable rough methods, to obtain a sufficiently rough surface. This method ensures the removal of inconsistent parts and dust, the disposal of any pollutants that might hinder the proper adhesion of the product (roes of cement, oil, disarming). Remove any dusty and/or inconsistent elements from the surface. The application of the product on surfaces which are not perfectly coherent and/or insuf-

ficiently substantial may prejudice the technical characteristics of the material. In the presence of some supports you may consider the preparation with a primer, like arteMURI PRG 101, on which it will be applied UNI RR with the "fresh on fresh" technique.

Prior to application, soak the area with plenty of water, with particular attention in the presence of absorbing surfaces.

The mixing of GALILEO UNI RR must be made by power drill at low revs.

First add the water (4/5 of total) in the container and then add the powder.

After a first blending, add the remaining quantity of water and mix to obtain a homogeneous mixture with the desired consistency.

GALILEO UNI RR should be mixed with water at a rate of approx. 20 liters per 100 kg. of powder (about 5 liters per 25 kg bag). GALILEO UNI RR may be applied by trowel or spatula. The thickness of application may vary from 3 to 50 mm per layer. Once the product has reached the condition known as "out of touch", finish with a float. A proper finishing can effectively counteract the appearance of any superficial cracks.

Technical data

Classification according to UNI EN 1504	R2
Powder specific weight	1350 Kg/m ³ det. in free fall
Dough specific weight	1900 Kg/m ³
Cured product density	1700 Kg/m ³
Particle size	approx. 0,6 mm
Colour	white
Water in the mix	20% (5 liters per 25 kg bag)
Theoretical consumption	approx. 17 kg/m ² for 1 cm thickness
Min. application thickness	3 mm
Max. application thickness	50 mm
Reaction to fire	A1
pH	12
Application time after mixing	approx. 15 min.
Curing time	approx. 30 min.
Application	by hand
Mechanical resistance to compression - 1 day	9 N/mm ²
Mechanical resistance to compression - 7 days	> 18 N/mm ²
Mechanical resistance to compression - 28 days	> 25 N/mm ²
Mechanical resistance to flexion - 28 days	> 6 N/mm ²
Adhesion to concrete - 28 days	> 1 N/mm ²
Capillary absorption	≤ 0,5 kg m ² h ^{-0.5}

Disclaimers

GALILEO UNI RR should be applied at temperatures between 5°C and 30°C. In the presence of particularly harsh conditions (high temperature or strong wind), it is recommended to protect the application for the next few days after the intervention. According to external temperature the curing times may be modified. Do not apply onto gypsum surfaces.



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The reported data refers to Quality Control tests in standard environmental conditions. Practical applications in the construction sites may detect significantly changed data, depending on operating conditions, so the information on the Card is only indicative because the user must always check its suitability for 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.