



## PALLADIO® RINFORZA SRG



Ready-to-use structural, rheoplastic, anti-shrinkage, fibre-reinforced mortar, based on air lime, micronised pozzolan, and selected aggregates to be used for the formation of inorganic matrix composite systems and alkali-resistant glass or basalt fibre meshes.

### Product description

PALLADIO RINFORZA SRG is a ready-to-use structural, re-plastic, anti-shrinkage, fibre-reinforced mortar of MICROCALCE CL 90-S aerial lime by Fornaci Calce Grigolin, micronised pozzolan and selected aggregates with a grain size of up to 1.4 mm to be used for the formation of inorganic matrix composite systems with the interposition of bi-directional basalt fibre or alkali-resistant glass fibre meshes.

### Supply and storage

PALLADIO RINFORZA SRG is supplied in special bags on pallets with stretch wrapping. Store in a cool, dry and non-ventilated place. Keep packaging intact. Can be supplied in silos for minimum quantities of 15.00 tonnes (departure from production site PR).

# RINFORZA SRG

## Features

The product PALLADIO RINFORZA SRG has the following features:

- reversible and compatible with historic masonry
- compatible for the formation of anti-cracking garrisons by means of an inorganic matrix composite system in combination with the bi-directional nets of the PALLADIO line
- class CS IV according to EN 998-1
- compressive strength at the end of curing greater than 10 N/mm<sup>2</sup>
- non-reactive in the presence of sulphates in the masonry, compatible with typical historical masonry substrates
- high breathability
- very workable, versatile and easy to apply

## Fields of application

Before applying PALLADIO RINFORZA SRG, clean the surface thoroughly to remove dust and loose parts.

## Media preparation

Before the application of the product PALLADIO RINFORZA SRG, carry out an adequate cleaning of the surface taking care to eliminate dust and loose parts.

## Methods of application

Anti-cracking device for hollow core slabs

Prior to installation, check the consistency of the concrete joists. In the presence of degradation phenomena, proceed with the intervention to restore the concrete cover, after any passivating treatment of the reinforcement bars. For cycles on the restoration of concrete surfaces, refer to the products in the GALILEO line.

After restoring the concrete of the rafters, proceed with the installation of the anti-cracking device, consisting of PALLADIO GLASS 259AR fibreglass mesh and a special fastening kit (PALLADIO ULTRACUT FBS II 6X80 concrete screw, PALLADIO FL containment flange, PALLADIO SQ bracket and PALLADIO TASS/UNI 4V fastening plug).

Once fastened, proceed with the covering of the system by hand or with a plastering machine of PALLADIO RINFORZA SRG, in a thickness of 10-15 mm, until the system is adequately covered, foreseeing in the following phase the floatation operations in order to homogenise the surface.

## Specification item

PALLADIO RINFORZA SRG type anti-shrinkage, fibre-reinforced, structural ready-mixed mortar, based on MICROCALCE CL 90-S aerial lime by Fornaci Calce Grigolin, micronised pozzolan and selected aggregates with a grain size of up to 1.4 mm, with the following characteristics: specific weight 1300 kg/m<sup>3</sup>; compressive strength (cat. CS IV) 10 N/mm<sup>2</sup>; mixing water approx. 20%; flexural strength at 28 days 3.0 N/mm<sup>2</sup>; water vapour permeability  $\mu$  15; reaction to fire A1.

## Warnings

Apply PALLADIO RINFORZA SRG at a temperature between +5°C and +30°C; in case of low temperatures (5°C÷10°C) it is advisable to mix the material with lukewarm water (30°C÷40°C).

# RINFORZA SRG

TECHNICAL DATA	PERFORMANCE
Specific weight	1550 kg/m <sup>3</sup> free fall deter.
Maximum diameter	1.4 mm
Mixing water	20% approx.
Flexural strength at 28 days	3,0 N/mm <sup>2</sup>
Compressive strength at 28 days (cat.CS IV)	10,0 N/mm <sup>2</sup>
Theoretical consumption	13.5 kg/m <sup>2</sup> per 1 cm of thickness
Water vapour permeability $\mu$	15
Reaction to fire	class A1
Adhesion on brick	0,5 N/mm <sup>2</sup>
Water absorption	W0
Fracture type (FP)	B
Resistance to sulphates	intact specimens after 1 month immersion in sulphate solution

v. 04/2023

I dati riportati si riferiscono alle prove di Controllo Qualità in condizioni ambientali normalizzate. Applicazioni pratiche di cantiere a seconda delle condizioni di esercizio possono rilevare dati sensibilmente modificati, pertanto le informazioni presenti nella Scheda hanno valore puramente indicativo in quanto l'utilizzatore deve sempre verificarne l'idoneità nell'impiego del prodotto assumendosi la responsabilità derivante dall'uso. Fornaci Calce Grigolin S.p.A. si riserva di apportare modifiche tecniche di qualsiasi genere senza alcun preavviso.