

# Rinforzo V 50

Glass-fibre, alkali-resistant reinforcing mesh, suitable for reinforcing finishing coats on new or old plasters/renders, specifically intended to be inserted in heat-insulating panel systems.

Rinforzo V 50 increases elastic properties, compactness and resistance to the most critical working temperatures. Eliminates the problem of gaps or cracks caused by dynamic changes. Internal, external.



1. High elastic and mechanical resistance
2. Product in the KlimaExpert ETA system
3. Coloured bands to facilitate overlap
4. Inalterability in an alkaline environment and under chemical or micro-organic attack
5. Quick and easy to lay, making it convenient to use when restoring surfaces to be renovated
6. CE marking of the product for use as a reinforcement for finishing products of mineral origin (EAD-040016-00-0404)

## Areas of application

### → Use

Reinforcement of mineral, cement or lime based finishing products.

Compatible finishing products:

- various mineral finishing products

Substrates:

- prefabricated concrete and fresh concrete castings
- façade renders
- heat sealed panels

For internal and external use, in domestic, commercial and industrial applications.

Do not use on expansion joints or in direct contact with the substrate.

## Instructions for use

The instructions for use for applications in heat-insulating systems refer, where required, to the Italian Technical Report UNI / TR 11715 "Heat-insulating products for buildings - Design and installation of external heat-insulating systems (ETICS)".

### → Preparation

Remove the protective packaging and unroll the mesh. Rinforzo V 50 can be cut using ordinary scissors or cutters.

### → Application

Rinforzo V 50 is applied on the first coat of product while it is still fresh. Lay the mesh and press it with the spreader so that it adheres. The sheets must overlap by at least 10 cm at joins. The Green side bands facilitate the correct overlap.

For applications in heat-insulating systems, the indications given refer to UNI / TR 11715 - paragraph 9.

### → Cleaning

Rinforzo V 50 does not require cleaning. The tools used to apply the materials into which it is sunk must be cleaned as indicated on the relevant product technical data sheets.

## Certificates and marks



\* Émission dans l'air intérieur Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

## Abstract

Finishing of heat sealed systems or renders will be carried out by inserting alkali-resistant, glass-fibre reinforcing mesh such as Rinforzo V 50 from Kerakoll Spa. Prepare, clean and make the substrate dimensionally stable first, then apply the finishing products with a smooth spreader. Incorporate the mesh into the first coat then, when it has hardened, cover Rinforzo V 50 over with a second coat of the product.

**Technical Data compliant with Kerakoll Quality Standard**

Appearance	special green and white mesh
Chemical nature	primed glass fibre
Link size	≈ 4x4 mm
Pack	roll 50 m
Width	1 m
Weight	≈ 160 g/m <sup>2</sup>
Thickness	≈ 0.45 mm

**Performance****HIGH-TECH****Tensile strength (as such):**

- warp	≥ 1900 N/5 cm
- weft	≥ 1900 N/5 cm

**Tensile strength (after EAD-040016-00-0404 curing):**

- warp	≥ 1000 N/5 cm and ≥ 50% of the value as such
- weft	≥ 1000 N/5 cm and ≥ 50% of the value as such

**Working range** from -30 °C to +90 °C

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

## Warning

- Product for professional use
- abide by any standards and national regulations
- respect the expansion joints that may be present
- keep dry, protect from moisture, UV rays and sources of heat
- store at temperatures between -5 and +40 °C
- the product is an item according to the definitions of the EC Regulation No. 1907/2006 and therefore does not require a Safety Data Sheet
- for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - [globalservice@kerakoll.com](mailto:globalservice@kerakoll.com)



The Rating classifications refer to the GreenBuilding Rating Manual 2013. This information was last updated in February 2023; please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see [www.kerakoll.com](http://www.kerakoll.com). KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.