

REOPLAST R2

FAST-SETTING FIBRE-REINFORCED
REPAIR MORTAR (CLASS R2 – EN 1504-3)



PRODUCT SHEET

DESCRIPTION

REOPLAST R2 is a rapid-setting and rapid-hardening fibre-reinforced mortar designed for the repair and finishing of deteriorated concrete elements. It is a thixotropic PCC mortar composed of mineral components and synthetic polymers, suitable for non-structural repairs. REOPLAST R2 meets the performance requirements of EN 1504-3 for R2-class PCC mortars.

FIELDS OF APPLICATION

- Non-structural repairs of concrete (up to 30 mm per coat)
- Indoor and outdoor use, vertical and horizontal surfaces
- Floors, walls, ceilings
- Repairs of pillars, beams, precast panels and masonry
- Restoration of concrete affected by gravel pockets or cold joints
- Ideal for balconies, edges, cornices and decorative elements

PRODUCT DATAS

Base	-
Catalysis ratio	Single-component
Mixing ratio	-
Composition	Cementitious mortar + synthetic polymers
Appearance	Granular powder
Specific gravity	1600 kg/m ³
Solid content	100%
Dilution	-
Pot life	-

CONSUMPTION

16.0 kg/m² per cm of thickness.

Water for mixing: 3.8–4.2 L per 25 kg bag (15–16%).

COLOUR

- Grey.

PACKAGING

- 25 kg bags.

TECHNICAL DATA

Parameter	Result	Standard
Mortar type	R2	-
Binder type	PCC	-
Granulometry	> 0.6 mm	-
Thermal conductivity	0.67 W/m·K	-
Bond strength	≥ 0.8 N/mm ²	-
Compressive strength	≥ 15 MPa	-



Date 15/10/2025

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Parameter	Result	Standard
Flexural strength	≥ 5 MPa	-
Application temperature	+5°C to +35°C	-
Layer thickness	3–30 mm	-
Freeze–thaw resistance	Excellent	-
Reaction to fire	Euroclass A1 (non-combustible)	-
Durability	High	-

APPLICATION

SUBSTRATE PREPARATION

Surfaces must be perfectly clean and rough. Perform hydro-sandblasting followed by pressure washing to remove contaminants, Weak parts and dust. Thoroughly saturate the substrate with clean water until refusal, then wait for excess water to evaporate before application.

PRODUCT APPLICATION

Mix REOPLAST R2 with clean, fresh water using a mixer fitted with a paddle. Pour the powder into the water and mix until a homogeneous, lump-free mortar is obtained, avoiding air entrapment.

Apply manually with trowel or steel float in thicknesses from 3 mm to 30 mm. Surface finishing should be performed when the mortar begins to set (20–25 minutes). Moist-cure the product for at least the first 24 hours after application.

CLEANING EQUIPMENT

Clean all tools immediately with water. Hardened material can only be removed mechanically.

STORAGE

Store in original sealed packaging in a dry place at +5°C to +25°C for up to 12 months. Refer to SDS and label instructions.

STORAGE

- Do not use on smooth or improperly prepared substrates.
- Do not add cement, sand, lime or other materials.
- Do not apply on gypsum, metal, plastic, wood or non-rigid substrates.
- Protect fresh mortar from direct sunlight and driving rain.
- Moist-cure for at least 24 hours.



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HEALTH AND SAFETY

Refer to the latest Safety Data Sheet for instructions on handling, storage and disposal. Do not release product or empty containers into the environment.

For **PROFESSIONAL USE ONLY**.

LEGAL NOTICE

The information and recommendations given above, although they correspond to our best experience, must in any case be considered purely indicative and must be confirmed by exhaustive practical applications. Therefore, before using the product, anyone who intends to make use of it must determine whether it is or is not suitable for the intended application and, in any case, assumes all responsibility that may arise from its use. Always refer to the latest updated version of the technical data sheet, available on the website btechitalia.eu.

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