

PASSIVATOR

Single-component powdered passivating grout for corrosion protection of steel, based on cementitious binders, synthetic resins, microsilica and corrosion-inhibiting admixtures



FIELDS OF APPLICATION

- Protecting concrete rebars in reinforced concrete on both existing and new constructions.
- Repairing concrete, by re-alkalising and passivating concrete rebars.
- Compatible with reinforced concrete repair mortars, such as Ruregold **MX-R4 Repair**, and subsequent structural strengthening.

METHOD OF USE

Preparing the substrate

- Carefully remove any loose, partially detached or deteriorated parts of the existing substrate from the area surrounding the concrete rebars (by chiselling, water or sand-blasting).
- Clean the substrate and reinforcements thoroughly (by sand-blasting or deep brushing), eliminating any remaining traces of dust, rust, oil and grease.

Preparing the mix

Passivator does not require any additional material and may be prepared using:

- A low-speed paddle mixer.

Mix as follows:

- Pour the contents of the bucket of **Passivator** into a suitable container and add approx. 1.5 litres of clean water for every 5 kg of powder.
- Mix the product until it is homogeneous, fluid and smooth.
- Wait for 5 minutes and mix again without adding any more water.
- Once mixed, use the product within approximately one hour.

APPLICATION

Brush application

- Using a paintbrush or roller, apply two coats with a thickness of **Passivator**, waiting about two hours between one coat and the next.
- Apply a thixotropic repair mortar, e.g. Ruregold **MX-R4 Repair** (consult the technical data sheet available on the web site Ruregold.com) within an interval between 6 and 24 hours.

NOTES ON USAGE

Do not dilute with water during the setting phase.

IDENTIFICATION DATA

Classification EN 1504-7:2006	Single component cementitious mortar: anti-corrosion products for reinforcements
Density of mortar when set	Approx. 1700 kg/m ³
Anti-corrosion protection	Check passed

APPLICATION DATA

Mixing water for each 5 kg bucket	approx. 1.5 litres
Mix consistency	Brushable
Colour	Yellow
Application time at 20°C	1 hour
Waiting time between coats	2 hours
Waiting time for application of the repair mortar	6 - 24 hours
Application temperature	From +5°C up to +35°C
Minimum application thickness	1 mm per layer
Coverage	approx. 1.6 kg/m ² per mm of thickness
Packaging	5 kg buckets
Storage conditions (Italian Ministerial Decree 10/05/2004)	In original packaging, indoors, in a cool, dry, unventilated place
Durability (Italian Ministerial Decree 10/05/2004)	Not more than 12 months from packing date.

SPECIFICATION ITEM

Single-component powdered passivating grout, yellow in colour, for corrosion protection of steel, based on cementitious binders, synthetic resins, microsilica and special corrosion-inhibiting admixtures. Ruregold Passivator must be applied in at least two 1 mm coats, using a paintbrush or roller. Wait for approximately two hours between the first and second coats and at least 6 hours - maximum 24 hours - before applying the repair mortar (e.g. **MX-R4 Repair**). The substrate must be prepared and the system applied in accordance with the manufacturer's instructions.

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This technical data sheet does not constitute a specification.

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Technical Support

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