



GOLDEN RASOFLEX

FLEXIBLE DECORATIVE AND PROTECTIVE PLASTER FOR CONCRETE AND MASONRY - PHOTOCATALITYC

CE approved – Certificate n. 1305 - CPD - 0808
EN 1504-2 type ZA.1d

DESCRIPTION

GOLDEN RASOFLEX is a waterborne synthetic plaster based on acrylic polymers, special additives and silanes, which is supplied ready to use. Applied by trowel on cracked substrates, it cures to an extremely flexible, durable, and aesthetical coating for concrete and masonry, even in aggressive ambient environments. The high content of titanium dioxide makes the product photocatalityc.

ADVANTAGES

- Fast and simple application by non-rusting steel trowel (stainless steel).
- Is water based, and does not contain toxic ingredients. Does not smell.
- Is 'weatherproofing', but still water vapour permeable.
- Excellent adhesion to the substrate.
- Permanent bridging of micro-cracks. Extremely good performance in elongation and recovery.
- Durable, and having good resistant to and protection against acid rain, frost/thaw action, UV light.
- Resists mild rain showers after 1 hour.
- Tools or spillages can be cleaned with water.
- Has the aesthetics of a mineral render.
- Photocatalityc action against air pollutants.

USE

- Protective, decorative and photocatalityc finish for facades in concrete or masonry, even in aggressive environments, like in industrial areas, urban with high pollution..etc
- As flexible coating to accommodate micro cracks.

APPLICATION

The substrate must be dry and clean, without any efflorescence, traces of oil, algae, .. or any other substance which may decrease the adhesion. Traces of algae must be cleaned first completely. First mechanically, followed by a treatment with a fungicidal wash, such as **GOLDEN DEMUF**. Eventually this treatment must be repeated a few times. Allow to dry before continuing the further applications.
Eventual damages, large cracks, or irregular substrates can be repaired by products of the **GOLDEN CRETE**- line.

*On all new substrates, cleaned or repaired, it is always recommended to use a first coat of the correct primer (such as the **GOLDEN PRIMER WB** or, even better, the **GOLDEN PRIMER SB/N**: if necessary consult our Technical Service) to obtain maximum adhesion, in order to avoid air inclusions in the coating from the substrate, to avoid the risk of subsequent delamination that can occur on substrates with difficult conditions of use and to allow the best chromatic homogeneity of the color which, as is known, is achieved with the homogeneity of the absorption of the substrate .*

Before starting to apply **GOLDEN RASOFLEX**, mix the coating properly. **Do not add water!**
Apply by non-rusting steel trowel.
Apply **GOLDEN RASOFLEX** in 1 layer, by scraping and pushing well into the substrate.
Apply with an American trowel on the substrate in order to obtain an average thickness of 1 mm and than finish by smoothing with the same trowel.

TECHNICAL CHARACTERISTICS AT 20±2°C (Typical values)

Density EN 2811-1	~ 1,45 Kg/l
Viscosity Brookfield LV EN ISO 3219	320 ± Pa.s
Solid content by weight	75,6%
Solid content by volume	61%
Particle size distribution Rasoflex	0 ÷ 1,80 mm
Particle size distribution Rasoflex Fine	0 ÷ 1,25 mm
Crack bridging Rasoflex	1 mm
Crack bridging Rasoflex Fine	0,8 mm
Elongation (prEN842) at 28 days	~ 32 %
Tensile strength at 28 days	~ 0,35 N/mm ²
Bond strength by pull-off EN 1542	> 1,5 N/mm ²
Flexibility at low temperatures	-35°C
Tack free (I-54)	About 3 hours
CO ₂ diffusion coefficient μ EN 1062-6	~ 50000
Permeability to CO ₂ - EN 1062-6	S _d 113 m
Water vapour diffusion coefficient μ- EN ISO 7783-1 :	398
Vapour transmission rate EN ISO 7783-1	V=23,6 g/m ² x d S _d = 0,89 m
Capillary waterabsorption and permeability EN 1062-3	0,07 kg/m ² /h ^{0,5}

REMARK

- Do not apply if the temperature is below 8°C, and when expected to drop below this temperature during the next 48 hours.
- It is not advisable to start the application in very high humidity (not higher than 75%) or if rain is expected.

CONSUMPTION

1,35 – 1,6 kg /m² depending on the substrate porosity and roughness. For an exact estimation, it is recommended to perform a small test first.

PACKAGING

Pails of 25 Kg

COLOURS

See colour cards. **The lot number indicates a production batch. Between one batch and another small colour differences can occur. It is also recommended for optimal colour, to apply the product in the same climatic conditions.**

STORAGE

Can be kept for 1 year if stored protected from frost, and humidity. Store always above +5°C, and elevated from ground level.

PRECAUTIONS

GOLDEN RASOFLEX is not dangerous, but it is advisable to wear gloves and safety glasses. Rinse eyes and clean skin with water in case of contact. In case of digestion, drink water abundantly. Please consult the Material Safety Data Sheet of this product.

The data are based on our practical experience and laboratory test. We assume no responsibility for any negative results from improper use that are due to factors unrelated to the quality of the product.

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