THREE-COMPONENT EPOXY REPAIR COMPOUND FOR EXPANSION JOINTS AND CRACKS
REAL GR 900

PRODUCT DESCRIPTION

REAL GR 900 is a three-component, high-strength epoxy repair compound designed for the repair of expansion joints, as well as the restoration and rehabilitation of damaged concrete floors. The product offers high mechanical strength, excellent adhesion to concrete substrates, and outstanding resistance to vibrations and impacts.

TECHNICIAL SPECIFICATIONS

Appearance	Matte
Color	Brown
Density (gr./ml. 20ºC)	1,80 ± 0,05
Mixing ratio by weight	Comp.: A 2,35 units Comp.: B 0,9 units Comp.: C 6,75 units
Solids by weight (w/w)	% 1,25 ± 2
Application method	Trowel
Open working time at +20ºC	20-25 min.
Full drying at +22°C	4-10 days
Flexural strength	30 N/mm^2 (7 days) (TS EN 196-1)
Compressive strength	75 N/mm^2 (7 days) (TS EN 196-1)
Shore D hardness	83 (7 days)
Continuous Thermal Endurance	+50°C + 80°C (most 7 days)



APPLICATION AREAS AND FEATURES.

REAL GR 900 is used for filling and repairing expansion joints, as well as for the restoration and repair of damaged concrete floors.

REAL GR 900 areas of use:
It is used as a repair material for floors in both indoor and outdoor areas. This is a three-component, self-leveling, solvent-free mortar consisting of a combination of specially graded aggregate materials and high-strength epoxy resins. When mixed, it forms a liquid, self-leveling epoxy grout.

ENVIRONMENTAL CONDITIONS

The air temperature should be in the range of +15°C to +35°C. Application should not be carried out when the humidity exceed 80%. The surface temperature must be at least 3–5°C above the dew point to prevent condensation.

It should be noted that material consumption will increase when applied at lower temperatures. The surface temperature must be at least +5°C and no more than +45°C.

USAGE

Surface Preparation

The surface for application must be dry and carefully cleaned of contaminants such as dust and other.

Product Usage

REAL GR 900 is used on all cracked and damaged reinforced concrete surfaces.

Application Method: The required amount of joint sealant is determined by the user and applied according to the type and size of the joint or the crack.

PACKAGES

One package REAL GR 900 contains three components:

Component A: 0.420 kg. + B: 0.200 kg. + C: 4.38 kg.
Total set weight: 5 kg.

Component A: 1.67 kg. + B: 0.830 kg. + C: 17.50 kg.
Total set weight: 20 kg.



SHELF LIFE

The material must be stored in its original packaging in a cool and dry place. The shelf life in unopened packaging is 24 months for components A, B and C.

HEALTH AND SAFETY INFORMATION

Refer to the product's Material Safety Data Sheet (MSDS) for safety guidelines and warnings.

The most essential safety precautions to follow are:

Contact of the product with skin and eyes must be avoided by using gloves, safety goggles, a face mask, and protective cream.

Ensure proper ventilation during application and until the primer is fully dried.

In case of skin contact, wash the affected area with warm water, soap, or a suitable cleanser.

In case of eye contact, rinse thoroughly with water for at least 10 minutes and seek medical attention.

Carefully read all warning labels on the packaging and strictly follow the recommended working

*** Our information about the products is based on our own laboratory tests and researches under normal conditions. Our company is not responsible for studies under unsuitable application conditions. The right to change this information is reserved by our company. Please contact R.Y.K. for more detailed information**

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