

RENOV COL

**STRUCTURAL CEMENT MORTAR – FLOWABLE, ANTI-SHRINKAGE
FOR RESTORATION, REPAIRS, AND RECONSTRUCTION**



PRODUCT DESCRIPTION

RENOV COL is a rheoplastic cementitious mortar with controlled shrinkage, superfluid consistency, based on high-strength cements, polymer modifiers, anti-shrinkage agents, anti-allergenic additives, and selected silica aggregates.



AREA OF APPLICATION

Structural restoration, dimensional adjustments, consolidations, large-scale anchoring, embossing, and armored works, etc., through pumped or cast-in-place applications.

(*) For particularly high filling sections, it's possible to add clean, sand-free gravel with a grain size of 6 - 15 mm, up to 30% by weight.

CONSUMPTION

19.50 kg/cm/m² (1950 kg/m³).

APPLICATION METHOD

Begin with clean, damp surfaces that are free from contaminants, dust, and loose or inconsistent parts. Achieving the right surface condition is critical for optimum performance. Gradually add the product in clean mixer or drum while mixing about 2 liters of water per 25 kg bag, approximately 2/3 of the total required water, until you achieve a uniform mixture with the desired consistency. Ensure that the casting process is free from voids and gaps and avoid applying the product in direct sunlight or at temperatures below +5°C. Properly protect and maintain the humidity of exposed surfaces during curing. Consider adding up to 40% of 6-10 mm gravel for high additional anchoring sections. The recommended water-to-product ratio is 10-12% by weight, equivalent to 2.5-3 Liters per bag. Maintain the application temperature within the range of +5°C to +35°C.

HEALTH AND SAFETY

Directive 76/769/EEC establishes that cements containing quantities of soluble chromium higher than 0.0002% pose serious allergy risks for operators. This product contains a special additive (in compliance with EN 889 - DIN 19 609) to reduce soluble chromates and provide better protection for users

Use gloves, mask, and glasses during the application. For further instructions on a safe use of the product please refer to MSDS.

STORAGE

The unopened package has a shelf life of 12 months from the date of manufacture when stored in a dry, cool place. It's important to protect it from frost to maintain its quality.

WARRANTY

If the product is found to be defective, Drykos liability is limited to replacing the product itself. As Drykos has no control over the use of the product by the user, the latter must ensure that the product is suitable for the intended use, assuming all risks and responsibilities related to it.

PACKAGING

25 kg bag

TECHNICAL SPECIFICATIONS

Appearance: powder	Resistance to chlorides and sulphates: Positive
Max. aggregate diameter: 6 mm	Resistance to washout water: Positive
pH to protect the armor: > 12	Compressive Strength at 1 day: > 30 N/mm ²
Flexural Strength at 28 days UNI EN 196/1: > 11 N/mm ²	Compressive Strength at 28 days: > 80 N/mm ²
Carbonation resistance UNI EN 13295: 0.5 mm	Filling thicknesses: 40 mm (*)
Resistance to slippage of the steel bar at improved adherence: > 30 MPa	Water/binders ratio: < 0,35
slipping resistance UNI EN 13036-4: 50 mm	Workability at 20°C: 60'
Chloride content UNI EN 1015-17: < 0.01 %	Determination of thermal compatibility UNI EN 13687-1: ≥ 2 mPa
Adhesion to concrete (shear test) : > 5 MPa	Fire reaction EN 13501-1: A1
Elastic module EN 13412: 30000 N/mm ²	Bonding Strength UNI EN 1542: ≥ 2 N/mm ²
Mass Density UNI EN 1015-6: 2190 kg/m ³	Capillary absorption UNI EN 13057: 0.49 kg·h ^{0.5} /m ²