



TECHNICAL DATA SHEET

RP-AC

ANTI CORROSION MORTAR

DESCRIPTION:

Single component mortar containing high quality cements, silica fillers and performance enhancing chemicals, to protect steel reinforcements from corrosion and to increase the adhesion of repair mortars.

APPLICATION AREAS:

Applied horizontally and vertically by brush, roller or wet spraying to protect steel reinforcements in concrete structures against corrosion by coating and as an adhesion enhancing primer before the application of RP-800, RP-1200 or RP-MAX4 repair mortars.

ADVANTAGES:

- * RP-AC anti corrosion mortar provides labor and time advantage, by it's easy preparation and application features.
- * Provides high adhesion to concrete and steel reinforcement.
- * Provides resistance to water, moisture and chlorine and provides high mechanical strength by it's special chemicals, fillers and cement.
- * Provides less consumption at unit area by it's special formula.

SURFACE PREPARATION:

Application surfaces should be clean, sound and free from dust. Adhesion barrier materials (oil, dust etc.) should be cleaned from surface, cement-mortar residues should be scraped, any loose parts should be removed. Gaps and cracks should be scraped to a depth of 2 cm before application. Concrete surface should be saturated with water, but no free water should be left on the surface. Steel surfaces should be clean and free of dust. Both the front surfaces of steel reinforcement and the back parts that are exposed by scraping should be sandblasted and completely cleaned of rust. Application should be start immediately after preparation of steel reinforcement and they should not be allowed to rust again.

PRODUCT PREPARATION:

25 kg RP-AC anti corrosion mortar is added on 5,0-6,0 liters of clean water by sprinkling. Blended by a low speed mixer or by a trowel to ensure that there are no lumps in it. Mortar is rested for 5 minutes to mature and mixed again before the application.

APPLICATION METHODS:

- * RP-AC mortar is applied with a roller, brush or spraying machine by covering the entire surface of the steel reinforcements.
- * It is sufficient to apply in a single layer, thick enough to cover the entire surface.
- * Care must be taken to ensure that no gaps or unmortared areas are left on the surface.
- * Without waiting for drying of RP-AC mortar, repair application should be continued with one of the appropriate RP-800, RP-1200 or RP-MAX4 repair mortars.
- * Ambient and surface temperature should be between +5°C and +30°C during the application.
- * Any additional material (such as lime, cement, gypsum etc.) should not be added in to prepared mortar.
- * Mortar should not be applied on unsound and loose surfaces.
- * Surface should be protected from airflows and sudden temperature changes during and after the application.
- * Mortar should not be applied on frozen, melting or within 24 hours danger of frost surfaces.
- * Hardened mortar should not be used by adding water and mix again.

SHELF LIFE:

Unopened original packages can be stored in dry (%60 R.H.) and cool (+5°C / +25°C) environments for up to 12 months.

APPLICATION LIMITS:

Maturation Time: 5 min.
Workability Time: 90 min.
Waiting Time Between Layers: maximum 4 hours

UNIT CONSUMPTION:

12-15 m² / 25 kg package (Application thickness: 1 mm)



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Güzel Cumhuriyet Mah. Çimento Bulv. No:23 PK: 01965
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"NUR YAPI KİMYASALLARI"

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TS EN 1504-3 / 04.2008

R2 Class Cement Based Non-Structural Repair Mortar

Reaction To Fire	A1 Sınıfı
Dry Bulk Density	1500 ± 100 g/L
Compressive Strength	≥ 15 N/mm ²
Compressive Strength (28th day)	≥ 45 N/mm ²
Bending Strength	≥ 0,5 N/mm ²
Restricted Shrinkage-Expansion	≥ 0,5 N/mm ²
Dangerous Substances	In Accordance With Article 5.4

PERFORMANCE DECLARATION NO 1504-3 / PB-05.005



GHS05



GHS07

H315: It causes skin irritation.

H318: It causes serious eye damage.

H335: It may cause respiratory irritation.

P280: Wear protective gloves/protective cloths/eye protection /face protection.

P305 In case of contact with eyes, rinse carefully with water

P351 a few minutes. If available and easy, remove contact

P338: lenses. Continue rinsing.

