



TECHNICAL DATA SHEET

RP-GROUT

STRUCTURAL GROUT-ASSEMBLY-REPAIR MORTAR

DESCRIPTION:

Cement-based, reinforced with chemical additives, resistant to water and moisture, resistant to freeze and thaw, non-shrinking and non-expanding, self levelling, structural, grout-casting-repair mortar with high compressive strength

APPLICATION AREAS:

Applied by hand for repairing of concrete floors and junction areas of concrete and steel equipment (such as machine foundations, concrete anchors, filling of cavities-gaps-recesses, base plates, support gaps, etc.) where high compressive strength is needed.

ADVANTAGES:

- * RP-GROUT grout-casting-repair mortar provides labor and time advantage, by it's easy preparation and application features.
- * Provides high durability and adhesion to concrete and reinforcement.
- * Provides high compressive strength 1 day after the application due to it's fast setting feature.
- * Provides resistance to freeze and thaw.
- * Provides resistance to water and moisture.
- * Prevents formation of shrinkage and expansion cracks.
- * Prevents abrasion due to it's high surface hardness feature.
- * Prevents segregation of water, provides a homogeneous mortar.

SURFACE PREPARATION:

Application surfaces should be clean and sound. Adhesion barrier materials (oil, dirt, dust etc.) on concrete surfaces should be cleaned, cement-mortar residues should be scraped. Adhesion barrier materials (rust, burrs, oil etc.) on metal surfaces should be cleaned. Metal surfaces should be clean and dry. PRIMER-ST primer should be applied on to the application surfaces and water absorbent molds at least 1 hour before the application to reduce water absorption. Molds should be well fixed, impermeable and clean. Molds should have enough air gaps for air evacuation during the mortar application.

PRODUCT PREPARATION:

25 kg RP-GROUT grout-casting-repair mortar is added on 3,0-4,0 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 should be applied without any delay.

APPLICATION METHODS:

- * RP-GROUT mortar should be poured slowly on one side of the mold.
- * Air bubbles forming should be avoided while pouring the mortar.
- * Casting on both sides of the mold should never be done.
- * RP-GROUT should be applied as min. 10 mm, max. 70 mm thickness.
- * It is recommended to consume RP-GROUT mortar within 15 minutes for maximum performance.
- * Since air bubbles will reduce adhesion and compressive strength, it should be ensured that no air bubbles remain during casting.
- * CURE-AR or CURE-HR concrete curing materials should be applied on all exposed surfaces after mortar surface starts drying.
- * Molds should be taken off after RP-GROUT mortar is fully cured.
- * After drying time is completed, surface becomes ready to use.
- * 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 (between +5°C and +25°C) environments for up to 12 months.

APPLICATION LIMITS:

Maturation Time: -
Workability Time: 30 min.
Drying Time: minimum 1 days

UNIT CONSUMPTION:

1,25 m² / 25 kg package (Application thickness: 10 mm)



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NUR KİREÇ SAN. TİC. VE PAZ. LTD. ŞTİ.
Güzel Cumhuriyet Mah. Çimento Bulv. No:23 PK: 01965
Yüreğir/Adana/Türkiye
"NUR YAPI KİMYASALLARI"

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1783-CPR-639

TS EN 1504-3 / 04.2008

*R4 Class Cement Based Structural Repair Mortar
Used in Unreinforced Concrete Repair*

Mortar Type: PCC / Repair Principle: 3 / Repair Method: 3.1-3.2

Reaction To Fire	A1 Sınıfı
Dry Bulk Density	1500 ± 250 g/L
Compressive Strength (1st day)	≥ 20 N/mm ²
Compressive Strength (28th day)	≥ 45 N/mm ²
Bonding Strength Created by Adhesion	≥ 2,0 N/mm ²
Adhesion Strength	> 0,2 N/mm ²
Restricted Shrinkage-Expansion	≥ 2,0 N/mm ²
Dangerous Substances	In Accordance With Article 5.4

PERFORMANCE DECLARATION NO 1504-3 / PB-05.003

PDDD SYSTEM

SİSTEM 2+



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.

