

ExperRepair RF 15

COLOR OPTIONS: Grey**25**

±%2 KG



CEMENT BASED, NON-SHRINKAGE, RAPID SETTING, FLOWABLE, GROUT AND ANCHORING MORTAR (R4)

Cement based, single component, high strength, R4 class, rapid setting, non-shrinkage, flowable, grout and anchoring mortar.

**RAPID
SETTING****HIGH COMPRESSIVE
STRENGTH****FLOWABLE**

TECHNICAL SPECIFICATIONS

Chemical Structure	Cement-based and performance-enhancing additives
Mortar Density	2,20 g/cm ³ (±0,1)
Mixture Ratio	3,50-4,50 lt water / 25 kg powder
Pot Life	Maximum 15 minutes
Application Thickness	10-40 mm
Time to Put into Service	1 hour
Compressive Strength	Day 1: ≥25 N/mm ² (EN 12190) Day 7: ≥50 N/mm ² (EN 12190) Day 28: ≥60 N/mm ² (EN 12190)
Bending Strength	≥4,5 N/mm ² (after 24 hours) ≥7,5 N/mm ² (after 28 days)
Bond Strength	≥2 N/mm ²
Shrinkage Expansion	≥2 N/mm ²
Soluble Chlorine Content	≤% 0,05
Reaction to Fire	A1
Consumption	1,90-2,10 kg/m ² (for 1 mm application thickness)

* All technical values are calculated at +23°C and 50% relative humidity.
Changes in temperature and humidity change the technical values.

ADVANTAGES

- Easy to apply.
- It sets within 20 minutes at the latest after application and can be opened for use after 1 hour.
- Thanks to its high flowable feature, it spreads spontaneously and fills hard-to-reach gaps.
- Does not shrink.
- Provides high bonding shortly after application.
- High compressive strength.
- High resistance against impacts and vibrations.
- Free of metallic aggregates and chlorine.

APPLICATION AREAS

Used as repair, assembly and filling mortar:

- Indoors and outdoors,
- On horizontal surfaces,
- Installation, repair and upgrading of manhole and manhole covers that need to be put into use in a short time and require high strength, repair of curbs and paving stones, repair of concrete floors exposed to vehicles and traffic such as runways and platforms,
- Fixing of road poles and city furniture.

Repair and Structural Technical Mortars

1504-3/R4 106725

GÜVEN MADENCİLİK İNŞAAT SAN. ve TİC. A.Ş.

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SURFACE AND APPLICATION CONDITIONS

- The ambient temperature should be between +5°C and +30°C.
- Avoid application in humid, rainy and high temperature weather conditions.
- Do not apply on surfaces that are frozen, melting or in danger of rain or frost within 24 hours.

SURFACE PREPARATION

- Surface bearing and stability should be checked to ensure that the surface is solid and clean.
- The application surface must be clean, smooth and solid. Dust, dirt, paint, oil and free particles must be removed from the surface.
- The application surface should be wetted and kept moist.
- ExperRepair GR 15 mortar to be applied should be placed in a rectangular cavity with perpendicular vertical sides and a depth of at least 6 mm. The application surface should be prepared accordingly.
- If it is intended to be used as a coating, the maximum recommended thickness is 50 mm. The application surface should be prepared accordingly.

PREPARATION OF MIXTURE

- ExperRepair RF 15 should be added slowly to clean water (3,50-4,00 lt) placed in a clean mixing bowl (20-25°C) and mixed with a low speed mixer (400-600 rpm) until a homogeneous and lump-free mixture is obtained (3-4 minutes).

APPLICATION DETAILS

- The mixed material should be immediately poured continuously from one side of the pre-prepared mold. In this way, air entrapment in the mixture can be prevented.
- For thicker applications, the second coat is applied in the same way after the first coat has cured.
- The molds is removed after about 1 hour.

WARNINGS

- Do not apply in weather conditions below +5°C and above +35°C.
- It should be taken into account that the setting time will be shorter at higher temperatures.
- Avoid application in areas that are frozen, in areas with the risk of freezing within 24 hours, in conditions that may prevent the application or that may damage the surface after application.
- After the application, ExperCure AC 10 curing material should be applied to the surface to protect large surfaces open to outdoor weather conditions from sunlight and wind, or the surface should be covered with curing blanket for 48 hours.

CONSUMPTION

- 1,90-2,10 kg/m² (for 1 mm application thickness)

EQUIPMENT CLEANING

- Equipment should be cleaned with solvent immediately after use. Cured material can only be cleaned by mechanical means.

STORAGE AND SHELF LIFE

- Should be stored in its unopened original packaging, in a closed, moisture-free, dry environment, protected from frost. Products should not be overloaded in a way to damage their packaging.
- Shelf life under appropriate storage conditions is 6 months from the date of production.

SAFETY PRECAUTIONS

- During use and storage, work clothes, protective gloves and masks should be used in accordance with the rules of Occupational and Labor Health. Eye, mouth and skin contact should be avoided and the contact area should be washed with plenty of water.
- In more dangerous situations or in case of ingestion of the product, a specialist doctor should be consulted immediately. Food and beverages should not be brought into the application areas. Keep out of the reach of children. For detailed information, the Safety Data Sheet (SDS) should be consulted.

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PRODUCT LIABILITY

• Güven Madencilik İnş. San. ve Tic. A.Ş., is only responsible for the quality of EXPERAS branded products. All data presented are the result of practical and scientific studies. The manufacturer cannot be held responsible except for the use of the correct products in appropriate areas and conditions.

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• The information and recommendations for the use of EXPERAS branded products are provided in good faith based on technical knowledge and experience, provided that they are maintained and handled under normal conditions and in accordance with the recommendations. Along with the products, the areas of use and surfaces may vary widely. It is necessary to ensure that the correct EXPERAS branded products are applied on appropriate surfaces and under appropriate conditions. In addition, all information and instructions regarding commercial factors and technical conformity must be strictly followed. The manufacturer cannot be held responsible for any damages and problems that may occur if not complied with. The applicator/user is obliged to make the relevant checks to ensure these details. The specifications of EXPERAS branded products may be changed when necessary. The property rights of third parties must be respected. When the order is confirmed, all existing technical conditions are essential for sales and transportation.

REFERENCE STANDARDS

• TS EN 1504-3/R4 Class

