

ABAREPAIR-ECO
SPECIAL POLYMER MODIFIED CONCRETE REPAIR MORTAR**DESCRIPTION**

ABAREPAIR-ECO is a ready-mix and non-shrink cement base dry powder provides smooth level surfaces with highly consistent repair mortar for special purpose concrete and masonry repairs. Due to high quality adhesives formulated in ABAREPAIR-ECO, it has an excellent adhesion to most common substrates.

It meets the requirements of the following standards:

EN 1504-3

FIELD OF APPLICATION

- Repairing of cracks and porous surfaces
- Provides smooth level surfaces
- Underlayment for floors and walls before placement of new covering materials
- Filling voids and holes
- Can be used for surfaces that are in direct contact with water
- Suitable for hydraulic structures
- Applying fillet in water tanks, etc.

ADVANTAGES

- Excellent adhesion to most common substrates
- Non-shrinkage
- High mechanical strengths
- Early stiffening and hardening time
- Provides maximum protection against freeze and thaw cycles
- Improves impermeability of concrete
- No destructive effect on the steel
- Available in wide range of colors
- Easy to use

SURFACE PREPARATION

Surfaces should be clean sound and free from oil, grease, laitance and loose particles. Metal surfaces should also be clean and free of rust, oil, grease and contaminants.

The concrete should be presaturated for preferably 6 hours with water before application.

MIXING

ABAREPAIR-ECO is simply mixed with water to yield a stiff easily workable compound with shrinkage compensating properties.

The quantity of water depends on the desired consistency but as a guide, it is recommended to add the entire contents of the bag into the pre-measured (4.5-5.5 liters approximately) water while mixing. Mix with a paddle mixer or trowel to ensure a homogenous lump free material is achieved. Do not try to remix the product after losing workability by the addition of more water.



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تاییدیه صلاحیت آزمایشگاه همکار



مرکز ملی تایید صلاحیت ایران
ISO / IEC 17025



مجوز صادرات
به اتحادیه اروپا



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APPLICATION

1. Remove damaged concrete and prepare exposed steel reinforcement.
 2. Thoroughly clean repair area using high pressure water jet to remove all loose debris and contamination.
 3. Replace damaged concrete using ABAREPAIR-ECO, build up in layers if necessary.
- Apply ABAREPAIR-ECO with a trowel or spatula. Press hard by hand. Thicker repairs may be achieved by working in layers.

DOSAGE

The optimum dosage of ABAREPAIR-ECO to meet specific requirement depending on porosity and rough substrate, the normal dosage range is from 1.5 to 1.8 kg/m²/mm thickness of layer.

CURING

Keep repaired areas damp, with spraying water at least 24 hours.

PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Powder

Color: Gray

Fresh mortar density: ~1.6 g/cm³

Chloride ion: No chloride content

Pot life: 20 minutes @ +25°C

STORAGE

Shelf life: 1 year in the original package

Storage condition: Should be protected from direct sunlight and moisture. Keep bag in the temperature range between +10°C and +30°C

Packing: 25 kg bag

HEALTH AND SAFETY

This product does not contain any substances hazardous to human health and the environment. However, it should not be swallowed and contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water. Gloves & goggles should be worn when applying. For further information refer to the material safety data sheet.

ABAREPAIR-ECO is not flammable. MSDS is available at ABADGARAN website.

TECHNICAL SERVICE

The ABADGARAN INTERNATIONAL GROUP Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

All data presented in this technical datasheet are based on our last researches in ABADGARAN CONSTRUCTION CHEMICALS laboratories and are just as a guide for choosing appropriate material. Therefore users should conduct a sufficient investigation to establish the suitability and conformity of any product for intended uses.



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