

**E. M. REPAIR****POLYMER MODIFIED CONCRETE REPAIR MORTAR**

E. M. REPAIR 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. And due to polymer modified materials in it, it makes an excellent adhesion to most common substrate.

It meets the requirements of the following standards:

EN 1504-3

**ADVANTAGES**

- Excellent adhesion to most common substrates
- Non shrinkage
- Provides maximum protection against freeze and thaw cycles
- Same color with concrete
- Easy apply
- Ready mix

**FIELD OF APPLICATION**

- Repairing of cracks and porous surfaces
- Provides smooth level surfaces
- Filling pores and holes
- Underlayment for floors and walls before placement of new covering materials

**DOSAGE**

The optimum dosage of E.M.REPAIR to meet specific requirement depending on porosity and rough substrate, the normal dosage range is from 1.5 to 2.5 kg/m<sup>2</sup>/mm thickness of layer.

**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 pre-saturated for preferably 6 hours with water before application.

**MIXING**

E.M.REPAIR 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, we recommended, the entire contents of the bag should be added to the pre-measured (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.



موسسه استاندارد و تحقیقات صنعتی ایران  
تائیدیه صلاحیت آزمایشگاه همکار



مرکز ملی تائید صلاحیت ایران  
ISO / IEC 17025



مجوز صادرات  
به اتحادیه اروپا



استاندارد ملی ایران



واحد تولیدی نمونه ملی

**DIRECTION OF USE**

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 E.M.REPAIR, build up in layers if necessary. Apply E.M.REPAIR with a trowel or spatula. Press hard by hand. Thicker repairs may be achieved by working in layers.

**CURING**

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

**TECHNICAL PROPERTIES**

Physical state: Powder

Color: Gray

Specific gravity of fresh mortar:  $\sim 1.90 \text{ g/cm}^3$

Chloride ion: Nil to EN 934

Pot life: 20 minutes @  $+25^\circ\text{C}$

**STORAGE & SHELF LIFE**

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  $+10^\circ\text{C}$  and  $+30^\circ\text{C}$ .

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. When applying gloves & goggles should be worn. For further information refer to the material safety data sheet.

E.M.REPAIR 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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