



HI REP

هاي ريب

High Performance Polymer Modified, Fiber Reinforced, cement-based, Repair Mortar

Added Value

- The mix and application is very easy with **HiRep** since it is a sticky material
- The application is up to 9 cm is easy in 2-3 layers.

Economic and Easy to Apply

- Economic since one bag (25 Kg.) of **HiRep** is sufficient for 2-3 meters in a thickness of 6 mm.

Product Specifications

- Gray powder with aggregate size up to 3mm.
- Mixed Density: 1.9 g/L.
- Application time : 45 Min.
- Compressive Strength: >35 N/ mm².
- Adhesion Strength : 1.5 N/ mm².
- Flexural Strength: > 5 N/mm².
- Water Absorption (%): < 3
- Mixing Water : 4-4.5 Liters / Pack 25 Kg.
- Water permeability@ 5 bar pressure: <10 mm.
- Valid for 1 year in an unopened packs.



HiRep, Product Features:

- ❖ **HiRep** is a polymer modified, fiber reinforced repair mortar specially designed for concrete and cementitious surfaces, to repair and level the surfaces with high thickness, and high strength mortar.
- ❖ **HiRep** is treated with special aggregates to be similar to concrete and improve the ability to build repair areas and patching concrete with high build thickness up to 9 cm (with layers).
- ❖ It is also treated with natural fiber to prevent any cracking of the repaired surface.
- ❖ **HiRep** is a sticky material which enhances the adhesion of the mortar to concrete and cementitious surfaces without de-bonding after razing



Application Fields

- Repair of concrete floors, for Factories, Commercial areas, and Storage areas.
- Leveling of swimming pools walls before application of waterproofing layers..
- Repair precast units for fences, gardens, and concrete planting units.
- Repair of concrete columns and ceilings.

Health and Safety

- Wear gloves and goggles while application.
- The material is not harmful for skin.
- Water-based, washing out with plenty of water.

Packing

- A plastic double bag contains 25 kg. of HiBRep.

Improvements:

- ❖ The application of **HiBRep** ensures good adhesion to concrete and cement based surfaces.
- ❖ **HiBRep** prevents the formation of surface cracks.
- ❖ **HiBRep** improves the repair thickness up to to 9 cm without any de-bonding with aging.

Application Procedure

- ❖ One pack of **HiBRep** is mixed with 4-4.5 litres of clean water and mixed well till homogeneity.
- ❖ A rush coat of the same material may be applied in case of smooth surfaces.
- ❖ Apply by traditional and manual way in layers the max layer thickness is 3 cm.
- ❖ After final application the surface should be cured with water for at least 2 days.



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