



QUICKSET PRM 4H13

Fast setting patch repairing mortar

Description

QUICKSET PRM 4H13 is supplied as a ready to use blend of dry powder, which requires only the site addition of clean water to produce a high grade cement based patch repairing mortar. The material is based on Portland cements, and fillers, and additives which impart early strength and achieves initial set in 10 to 30 minutes and final set is achieved in 30 to 90 minutes. Its quick setting property allow opened to traffic after 2 to 4 hours of repairing.

Advantages

- Ease in application
- High early strength and fast setting
- Pre-packed to overcome site-batched variations.
- Excellent adhesion property with old concrete substrate
- Economical and durable, Contains no chloride

Uses

- To repair damaged horizontal concrete elements airport runways, expressways, highways, bridge decks, sidewalks, parking decks, loading docks and floor.
- In vertical concrete repairing works after doing proper formwork.

Placing

- The mixed material should be placed immediately. If placed by pump, standard concrete pumping practice should be followed. The pump and pipeline must be primed with cement slurry. Pumping should be commenced immediately after priming. If poured in the form work, avoid air entrapment by pouring from one side only.

Technical Information

PROPERTIES	RESULTS
Color	Grey
Appearance	Powder
Compressive Strength	>2 N/mm ² @ 2 hours >13 N/mm ² @ 4 hours >36 N/mm ² @ 1 day >45 N/mm ² @ 7 days >55 N/mm ² @ 28 days
Wet Density	2200 to 2250 Kg/m ³

Method of Application

- Defective concrete surfaces must be cut back to a sound base than smooth surfaces should be mechanically roughened.
- Corroded reinforcing steel should be exposed around its full circumference and cleaned to remove all loose scale and corrosion deposits. It is important to clean the steel to a bright condition. Grit-blasting is recommended.
- Immediately prior to placing, prewet surface with potable water.
- Prime the prepared surface after removal of excess water with BUTABOND SBR.
- Care should be taken to ensure that QUIKSET PRM 4H13 is thoroughly mixed in a forced-action mixer of adequate capacity. The quantity water required will generally be between 3.5 to 3.75 liters per 25 kg bag of QUIKSET PRM 4H13.
- For vertical patch repair work Slurry tight form work that should not deform or leak when subjected to hydraulic pressure imposed by the micro concrete will be fabricated and erected where the material is gravityfed.

Curing

- As QUIKSET PRM 4H13 is a cement-based repair material, it must be cured immediately after stripping the formwork in accordance with good concrete practice.

Packaging

- QUIKSET PRM 4H13 is supplied in 25 kg bags.

Storage

- QUIKSET PRM 4H13 has a shelf life of 6 months if kept in a dry store in the original, unopened bags. If stored at high temperatures or high humidity conditions the shelf life may be reduced.

REDWOP CHEMICALS PVT. LTD.

Head office: 2nd Floor, Pearl plaza Complex, B/S GT Sheth School, Near KKV Hall, 150ft Ring Road, Rajkot- Pin.360005 Gujarat, India.

✉ info@redwop.net

🌐 www.redwop.net

☎ +91 97246 55551

☎ +91 281 2576664