

DESCRIPTION

Repair mortar 119 is a one-component, purpose non-shrink, cementitious, trowel applied single pack repair mortar for repairs to concrete sections & plastered surfaces. Concrete Repair mortar is composed of good quality cement, properly selected aggregates & additives. It is used & designed for repairing of damaged reinforced concrete elements like columns, beams & structures.

ADVANTAGES

- Contains integral corrosion inhibitor
- Suitable for repairs from featheredge
- Interior/Exterior overlayment applications
- Excellent durability and adhesion
- Excellent freeze-thaw durability
- Easy to trowel high slump consistency
- Dries to natural concrete gray color

EXECUTION METHOD

Surface preparation

Proper repairs depend upon a solid bond between mortar and base surface. Thoroughly clean and roughen subject area. Remove any curing compound, grease, oil, loose carbonated concrete, dirt, dust, rust, etc... from exposed slab. Surface must be mechanically prepared to obtain sound concrete. The concrete surface that will receive the product must be sufficiently saturated with water during 12 hours before the application can begin. Do not apply on a surface where ponding water is present.

Mixing

Repair mortar 119: 25 kg mix with clean Water : 4.2 liter

Pour 4.0 liter of water into mixing container and slowly add Repair mortar 119 powder while stirring with an electrical mixer at 500 rpm. Adjust to desired consistency by adding part portion of 0.2 liter water. Mix for 3 minutes until lump free homogenous consistency.



Vertical surfaces

Apply a tight coat of Repair mortar 119 to surface using trowel, rubber float trowel or gloved hands to force material into all crevices, cracks and edges to eliminate all air pockets and ensuring complete contact for a good bond. Apply material from same batch to build to desired thickness. Minimum thickness is 1 mm . Two layers of Repair mortar 119 may be applied in as little as 30 minutes after set time.

Applications greater than 30 mm thickness

Place one or two layers totalling not more than 30 mm thickness, leave surface rough, then damp cure. After 6 hours, apply an additional 1 or 2 layers totalling not more than 50 mm each. Finish final layer with steel trowel or sponge float. If material has begun to set prior to placing, discard it.

Curing

The curing must begin as soon as the final set is attained. The final set will vary depending on site conditions. Immediately after application the surface with clean potable water being careful not to erode the surface with water pressure. Continue this curing for at least 4 to 6 hours or tack rags over patch and keep wet for first 2 hours and leave rags for 4 more hours

EXPIRY DATE

Repair mortar 119 has a shelf life of 12 months in original packing

PACKING

Repair mortar 119 is a one-component material packaged 25 kg/bag

HANDLING

Repair mortar 119 should be stored in a dry place under shade, free from moisture contact. Remove splashes from skin with water. In case of eye contact, wash with plenty of water. If irritation persists, seek immediate medical.

| SPECIFICATIONS | |
|---|---------------------------------------|
| Appearance | Industrial Grey |
| Water ratio | 17-18% |
| Compressive Strength (28 days) | 40 N/mm ² (ASTM C109) |
| Bond Strength with Concrete | > 1.8 N/mm ² |
| Flexural Strength | >7.0 N/mm ² |
| Expansion | < 0.08% (ASTM 531:2000) |
| Non Shrink Properties | < 0.05% (ASTM 531:2000) |
| Coverage Yield 25kg Repair mortar 119 With 50% Aggregate With 100% Aggregate | 11-12 Liter 18 Liter 23.0 Liter |
| Setting Time at 300C Initial Final | ≤180 mins ≤7 hours |

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