

DESCRIPTION

Repair mortar 219 is a two-component, polymer modified concrete repair mortar with integral corrosion inhibitor for use in horizontal, form and pour and when mixed to a stiffer consistency, vertical and overhead applications. Repair mortar 219 offers superior durability in industrial warehouse, parking deck, and roadway applications subjected to heavy loads and abrasion.

ADVANTAGES

- 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

Place mixing equipments close to repair area. Always mix by adding the dry product to the part B. Use a mortar mixer or 1/2" drill with mixing paddles. Place 5kg of liquid polymer in a clean mixing container. Measure water with reliable volume measure. Slowly add the powder while mixing until uniform. If the mixing should be performed manually, it must be done vigorously. Add the remainder of the liquid polymer. Repair mortar 219 should be mixed to the proper consistency depending upon project requirements. Mix until a smooth uniform consistency is obtained.



Vertical surfaces

Apply a tight coat of Repair mortar 219 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 5 mm. Two layers of Repair mortar 219 may be applied in as little as 30 minutes after set time.

Applications greater than 50 mm thickness

Place one or two layers totalling not more than 50 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 219 has a self life of 12 months in original packing

PACKING

Repair mortar 219 premix is a two-component material packaged 30 kg/unit (including Part A: 25kg/bag and Part B 5kg/pail).

HANDLING

Repair mortar 219 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
Expansion	< 0.08% (ASTM 531:2000)
Non Shrink Properties	< 0.05% (ASTM 531:2000)
Setting Time at 30oC Initial Final	Approx. 40 mins Approx. 6 hour

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