



TEX V554

Single Component, vertical and Overhead Repair Mortar

Product Description

FARTEX V554 is a one component concrete repair compound consisting of blend of powders, cement, finely graded aggregates and fibers.

Application

- Partial depth rehabilitation of concrete beams, columns, and / or soffits in bridges, Parking garages, balconies or other concrete structures.
- Vertical and over head concrete and masonry repairs.
- Repairs in marine environments.
- Repairs reinforced concretes in industrial areas.
- Repairs precast concrete defects

Advantages

- One component, just add water, easy to apply
- Non- sag, can be applied in layers of 3 to 6 cm
- Shrinkage compensated, No cracks after hardening
- Superior bond to concrete and rebar surfaces
- Contains no added chlorides
- Water resistant
- Fiber modified mortar

Standard Compliance

V554 can be evaluated according to: ASTM C 109, C 348, C 1404, DIN 1048

Technical Data

| | |
|--|---|
| Appearance | Gray powder with fiber |
| Specific Gravity | powder 1.6 ± 0.03 kg/l Mortar 1.02 ± 0.03 kg/l |
| Compressive Strength kg/cm ² (ASTM C 109) | 1 day > 100 7 day > 200 28 day > 400 |
| Flexural Strength kg/cm ² (ASTM C 348) | 28 days > 80 |
| Penetration (5bar Water) DIN 1048 | < 5mm |
| Bonding strength (kg/cm ²) ASTM C 1404 | 15 > |
| Pot life at 20°C | 30 min |

Instruction for Use

Surface Preparation

- Concrete surfaces: must be sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and other contaminants.
- Mechanically abrade the surface substrate.
- Around of repair area should be saw-cut a minimum 10mm. leaving the concrete saturated but free of standing water (SSD).
- Remove the back of exposed and corroded rebar's and clean the surface by wire brushing or abrasive blasting.

Priming

- Clean and prime exposed steel with: Cement (1): SA46 (1): water (1), Volumetric, one day prior to repair.
- Extra protection to the reinforcement in corrosive areas can be gained by use of FAR-COTEK ZR.



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- Concrete surface is primed with diluted SA46 with the ratio of SA46 (1): water (3). (Volumetric) the mortar should be applied while the primer is still tacky.

Mixing

In a clean container, add 2.5 to 2.8 kg water, using a slow speed drill and a jiffy mixer, gradually add the 20kg powder (bag) to produce a mortar with a smooth consistency and without lumps

Placing

- While the primer is still tacky, apply the prepared mortar with either a gloved hand or trowel.
- Carefully compact the material tightly in to the substrate and at the back of the rebars to ensure optimum bonding.
- Maximum thickness per layer for vertical and horizontal substrates are 50mm and over head is 40mm and minimum 10mm.
- Apply the consequent layers when the previous achieved the initial setting. The setting depends on ambient and material temperatures usually 2 to 4 hours.

Protect the surface of newly applied material from direct sunlight and wind; cover the surface by wet burlap or plastic.

- Protect the newly applied mortar from freezing
- Apply FARTEX V554 at temperatures from 5 to 35°C

Consumption

20kg of V554 will cover 1 to 1.2m² at 1 cm thickness.

Packaging

FARTEX V554 is supplied in 20kg bags.

Shelf Life

6 month in original, unopened package. Store at temperatures between 5 to 33°C in protected, dry storage.

Technical Service

The SHIMISAKHTEMAN Technical Service Department is available to assist you in the correct use of our products in the field.



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