



# TEX V2500

## Two component concrete Repair Mortar

### Product Description

FARTEX V2500 is a two component concrete repair compound consisting of blend of Portland cement, finely graded aggregates, and a polymer based liquid admixture.

### Application

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

### Advantages

- Easy to mix, pre-weighed, polymer modified
- Non-sag, high build properties, can be applied in layers of 3 to 6 cm.
- Shrinkage compensated, No cracks after hardening.
- Superior bond to concrete and rebar surfaces

### Standard Compliance

V2500 can be evaluated according to: ASTM C 109, C 348, C 1404, DIN 1048

### Technical Data

Part B	Milky liquid Based on SB
Part A	Cement Based Powder, contains fiber
PH (Part B)	9 ± 1
Specific Gravity	Part A 1.6 ± 0.02 kg/l Part B 1.02 ± 0.02 kg/l Ready mortar 2.1 ± 0.02 kg/l
Compressive Strength kg/cm <sup>2</sup> (ASTM C 109)	1 day > 100 7 day > 250 28 day > 450
Flexural Strength kg/cm <sup>2</sup> (ASTM C 348)	28 days > 80
Penetration (5bar Water) DIN 1048	< 5mm
Bonding strength (kg/cm <sup>2</sup> ) ASTM C 1404	20 >
Pot life at 20°C	20 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 can be 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 part B, using a slow speed drill and a jiffy mixer, gradually add the powder 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 V2500 at temperatures from 5 to 35°C.

### Consumption

A kit containing 24kg of FARTEX V2500 will cover 1 to 1.2 m<sup>2</sup> at 1 cm thickness.

### Packaging

Part A (powder): 20 kg bogs  
Part B (liquid): 4 kg gallons

### 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.

