



## CONCRETE REPAIR PRODUCTS

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ABN 44568368372

# Stayput HB

Thixotropic High Build Repair- Construction Mortar / Render

## PRODUCT DATA SHEET

01/06/ 2019

Surface Preparation

### DESCRIPTION

**Stayput HB** is a balanced blend of sand, cement and active chemical components to be mixed with water to create a thixotropic, rheoplastic and non segregating mortar to repair damaged or spalling concrete surfaces.

**Stayput HB** is synthetic fibre reinforced, chemical resistant compound of high strength which bonds strongly to steel and concrete substrates.

### USES

Repair of damaged concrete structures such as bridges, roads, pipes, marine constructions and other reinforced and prestressed concrete where a depth of 5mm - 50 mm is required.

### BENEFITS

- overheard, vertical and horizontal applicable
- excellent workability
- sulphate resistance
- shrinkage compensated
- high mechanical strengths
- highly impermeable
- sprayable
- no added chlorides
- excellent abrasion resistance and durability
- product, when correctly applied, has a life greater than 10 years

### PROPERTIES

- **waterproof according to DIN 1048**
- **compressive strength:**  
14.5 MPa in 1 day and 52.1 MPa in 28 days
- **flexural strength:** 5.5 MPa in 28 days
- **bond Strength:** 3.2 MPa in 28 days
- **crack resistant** according to 'Ring Method'

**INSTALLATION** (Refer to MSDS before use)

Remove any existing coating, and thoroughly clean surface, pressure wash then hose to fully impregnate with water and allow to dry achieving a wet dull lustre, free of puddles.

**Priming:** (Recommended)

The clean damp substrate can be primed with a slurry brush coat of **Stayput HB** (3 parts powder to 1 part water).

**Mixing Equipment:** Low Sheer Mechanical Mixer

### Mixing instructions

Place the minimum required amount of water in a clean mixing bucket and while mixing slowly gradually add the **Stayput HB**, and, if necessary, additional water, until a mix of the desired workability is obtained. Mix for a further 2 – 4 minutes. Use within approximately 40 minutes..

The normal water requirement is 3.0-4.0 L per 20 kg pail of **Stayput HB**.

### Application

Apply the **Stayput HB** as you would use standard render techniques, whether by trowel or spray.

### Curing:

At normal ambient conditions the surface of **Stayput HB** will not crack or craze due to plastic shrinkage. To achieve optimum result, cover the surface with plastic sheet for 24 hours.

### PACKAGING, SHELF LIFE and STORAGE

**Stayput HB** is available in 20 kg plastic pails.

**Stayput HB** has a shelf life of 12 months if kept in pails in dry store.