**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)

**Surface Preparation**

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.