



### CENTROX™ B

#### Primer for Bonding and Reinforcement Coating

#### DESCRIPTION

**Centrox™ B** is a specially formulated cementitious primer with high adhesive power to the treated surface.

**Centrox™ B** contains adhesive improvement and reinforcement protection compounds.

**Centrox™ B** is supplied as a dry powdered product requiring only the addition of water before use.

#### USES

- \* To bond concrete patch mortars to existing concrete substrates
- \* As a steel corrosion primer-coating to protect reinforcement in concrete
- \* As a component of the following recommended Centrox Concrete Repair System for Vertical and Overhead Surfaces:
  - **Centrox™ B** (primer for bonding and reinforcement corrosion protection)
  - **Centrox™ HBL** (high build repair mortar for overhead and vertical surfaces)
  - **Centrox™ F** (finishing and protective top coat for concrete repair patches)

#### ADVANTAGES

- \* Easy to work: spray, brush or roller application
- \* Excellent bond to concrete and steel surfaces
- \* High mechanical strengths
- \* Corrosion protection to reinforcement
- \* Effective life of correctly applied product greater than 10 years.

#### PROPERTIES

- \* Potlife at 23 °C: 90 minutes approximately
- \* Mixing ratio (water / dry mix): 1/5, or 4 liters / 20 kg
- \* Application thickness: 1-3 mm per coat
- \* Consumption of dry powder:
  - as bonding primer: 1.6 – 2.1 kg/m<sup>2</sup>
  - as reinforcement corrosion protection coating: approx. 4.0 kg/m<sup>2</sup> for 2 coats at min. 1 mm dry layer thickness per coat.
- \* Compressive strength (AS 1012): 57.1 MPa at 28 days
- \* Flexural strength (AS 1012): 8.8 MPa at 28 days
- \* Bond strength (adhesion strength): 4.2 MPa at 28 days

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#### INSTALLATION (Refer MSDS before applying)

##### Surface preparation

**Centrox™ B** must be applied to a clean surface free of contaminants. The prepared surface should be thoroughly saturated with water but puddle free during application.

Steel reinforcement should be thoroughly prepared by mechanical cleaning to remove all rust.

##### Mixing Equipment

Low Shear Mechanical Mixer

##### Mixing instructions

Place the required amount of water in a clean mixing bucket and while stirring slowly gradually add the **Centrox™ B** until a mix of the desired workability is obtained – slurry consistency. Mix for a further 2 – 3 minutes and use within approximately 90 minutes  
*Note: the normal water requirement is 1 litre of water to 5.0 kg Centrox™ B.*

##### Application

###### For Reinforcing Corrosion Protection

**Centrox™ B** is applied as a slurry by brush or spray onto the previously prepared exposed reinforcing to a thickness of approx. 1 mm. A second coat is applied in 4-5 hours after first coat, also approx. 1 mm thick. The following coat of repair mortar is applied after a similar period of time.

###### As bonding primer

Applied by spray, brush or roller onto previously prepared and thoroughly water saturated concrete surface. The thickness of a coat should be approx. 1 mm. The priming must be tacky at the time of applying of the subsequent repair mortar, i.e. wet on wet application.

#### PACKAGING, SHELF LIFE and STORAGE

**Centrox™ B** is available in 20 kg moisture resistant bags.

**Centrox™ B** has a shelf life of 12 months if kept in a dry store in sealed bags.