DURAbond
PRODUCTS LIMITED

Edge of Slab Shallow Repair

Repair Method:
C1-SC09

Description

Deteriorated, spalling concrete with exposed and / or rusting steel reinforcement.

Identification

- Identify all spalls and delaminations on the horizontal and vertical concrete elements by the use of chain-drag or hammer. Outline areas to be removed with red spray paint.

- Identify any unsound concrete, poor patching, poor concrete or other condition that will adversely affect the installation and/ or proper functioning of the coating. Outline areas with red spray paint.

- Obtain project Engineer's approval on those spalls and delaminations which are to be removed and those areas which are to be repaired.

Substrate Preparation

- Remove all defective and/or delaminated concrete by suitable means, until sound concrete is reached.

- Check for and remove any additional delaminations caused by previous removal.

- The repair areas shall be wire-brushed with an electric hand-grinder, including any reinforcing that is uncovered until the area is free of loose concrete, dirt and/or corrosion products.

- Where the parent concrete is sound and the repair consists of replacing the parge coat only, The surface of the parent concrete shall be mechanically abraded.

Repair Steps

1. The prepared surface shall be thoroughly wetted down for a period of not less than ½ hour prior to placement of repair material.

2. Apply the cement slurry-bonding coat in accordance with good practice.

3. Apply the repair material while the bonding agent is still wet.

4. The repair material should be cured by covering with wet burlap covered with polyethylene sheets, as soon as the surface will support it.

Steps	Products	Mix Design	Coverage
1	Cement Slurry-bonding coat	• 2 parts Durex Acrylic Resin Bond to; • 1 part Portland Cement Type 10 (P350)	2 m² /liter depending on surface conditions
2	Durex Dur-A-Patch Durex Acrylic Resin Bond	• 1 Bag Dur-A-Patch • 5 Ltrs Durex Acrylic Resin Bond	1.0 m² @ 15 mm thick
3	Durex Architectural Coatings	Not Required (ready mixed) (see Finishes)	Refer to data sheet of selected coating