6 Simple Steps for Successful Concrete Repair

Step 1

Remove all damaged concrete. Should any rebar be exposed, remove all concrete to create at least 1cm gap around the reinforcement to ensure proper cleaning of the rebar is achieved.

Step 2

Using Maxrest Passive, seal the cleaned rebar.

Step 3

Using clean potable water, wash down the complete area for repair.

Step 4

Apply a bonding coat made up from part of the mixing liquid and part of the repair mortar.

Step 5

Apply the mixed repair mortar (Maxrite 500) to a maximum thickness of 3cm per layer, scratch each layer to aid adhesion and build up until required thickness is achieved.

Step 6

Form the final layer to original profile.

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Anti-carbonation Coatings

Coatings for the protection of concrete against carbonation

Maxseal Flex: a two-component, flexible, waterproof coating for the protection of concrete against carbonation.

Maxsheen Elastic: elastic acrylic coating for anti-carbonation protection and waterproofing of concrete and masonry surfaces.

Bonding Agents

Maxryl: an acrylic based product for use as an additive in Portland cement mortars & concrete to increase adhesion and chemical properties.

SURFASFIX SBR: a styrene-butadiene co-polymer latex specially designed for use with cementitious mixes.

Concrete Repair Mortars (cementitious)

Cementitious, non-shrink, structural repair mortars for repairs to concrete and masonry substrates without the use of formwork

Maxrite 500: a single component, cementitious, microsilica, polymer-modified, fibre-reinforced structural repair mortar with corrosion inhibitors. It is specially designed for high performance.

Maxplug: a quick-setting, non-shrink, high compressive strength, cement-based mortar that instantly stops running water. Maxplug sets under water and is approved for use with drinking water.

Concreseal 5: a polymer-modified cementitious single component mortar, specially designed for superficial cosmetic repair and levelling of renders and concrete surfaces in very thin layers up to a thickness of 5mm.

Corrosion Inhibitors

Cement based anti-corrosion primer for steel reinforcement

Maxrest Passive: one-component, ready to use liquid for the protection of re-enforcing steel bars against corrosion.

***SURFASOLOGY™** is an evolution of IBC Limited, a leading Irish owned manufacturer and distributor of construction chemicals and systems. Established in 1976, the company has a proud tradition of providing innovative solutions in the areas of structural waterproofing, damp-proofing and remedial, and specialist screeds. Our product range conforms to EU regulations and National standards and is accompanied by an ongoing technical support.*

Disclaimer:
The general information provided in the present technical description, application guidelines and other recommendations, is based on research and experience. However the client is obliged to determine himself what products are suitable for use. Accordingly, no liability will be accepted by SURFASOLOGY™ (IBC Limited).
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