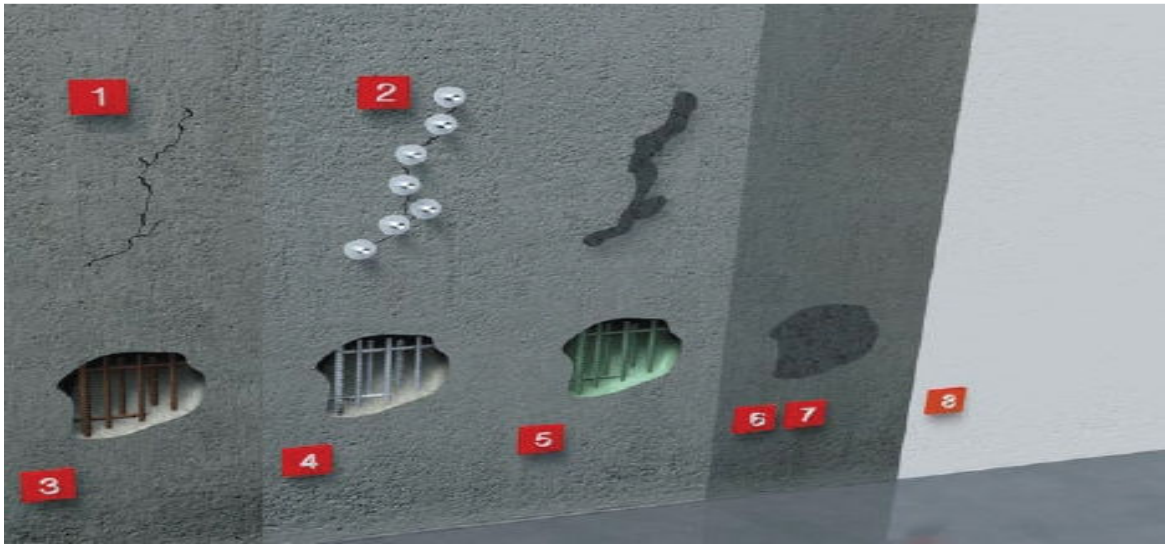
Concrete Bund Refurbishment



1. Surface preparation by suitable mechanical means.
2. Cracks: Fully expose and bond static cracks with Remmers Injection Resin EP and seal dynamic, moving cracks with Remmers Injection Resin PUR.
3. Damage Removal: Break out and remove all damaged concrete and fully expose any actively corroding steel reinforcement. Remove all rust and corrosion products from the steel by blast-cleaning or equivalent means.
4. Steel Primer: Remmers Betofix RM with Rust Inhibitor M is used as a slurry coating to protect the steel.
5. Concrete Replacement: Replace the damaged concrete with Remmers Betofix mortars.
6. Levelling and Repair Blow Holes: Level the overall surface and reprofile with Remmers Betofix levelling mortar, filling any surface defects such as blowholes.
7. Corrosion Inhibitor Application (Optional): Apply Remmers Migrating Corrosion Inhibitor (MCI) to all of the concrete surfaces.
8. Please see Remmers for Specialist surface treatments.

System Properties:

- EN 1504 compliant
- High strength option
- High chemical resistant bund lining available
- Fast cure bund linings available
- Fast cure option
- Water based MCI
- High chemical and heat resistant bund linings available
- Fast cure steel primers

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Item	Operation	Material	Consumption Rate
1	**Surface Preparation and Cleaning** Clean and prepare the concrete surfaces to remove all old coatings, organic growth, cement laitance and any other contaminants.		
2	**Crack Injection** Static cracks are injected with Remmers Injection Resin EP. On dynamic/moving cracks Remmers Injection Resin PUR should be used.	Injection Resin EP Injection Resin PUR	1.1kg/ltr 1.1kg/ltr
3	**Remove Damaged Concrete** Break out and remove all damaged concrete. Any corroded reinforcement must be completely exposed. The exposed steel reinforcement should be mechanically cleaned to a standard equivalent to Sa 2.5 of ISO 8501-1. Note: With Remmers Betofix R2 it is not necessary to angle cut the edges.		
4	**Steel Priming** Remmers Betofx RM with Rust Inhibitor M is used as a slurry coating to protect the steel. Just 30 minutes after the coating has been applied a second coat can be applied, then after 30mins the repair mortar can be placed.	Betofx RM with Rust Inhibitor M	1.3kg/m^2 0.7kg/m2
5	**Concrete Replacement** Remmers Betofix mortar is applied to repair and replace the damaged areas, normally in one working operation.	Betofix R4 Betofix R2	1.8kg/m^2/mm 1.2kg/m^2/mm
6	**Levelling and Repair to Blow Holes**. Fill all blow holes and level surface if necessary using Betofix repair mortar.	Betofix R2	1.2kg/m^2/mm
7	**Corrosion Inhibitor Application (Optional)** Apply Remmers Migrating Corrosion Inhibitor (MCI) to all of the concrete surfaces.	Remmers MCI	0.27 l/m^2
8	**Final Protection – Surface Coating System** Please seek Remmers technical advice for specialist protection system.		

Notes: Application rates and coverage are theoretical and do not allow for surface profile variation, wastage or variation in application technique. In the case of high substrate roughness you should allow for additional levelling material to be used.

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