STRUCTURAL REPAIRS TO R.C.C. MEMBERS

Break Open the loose and damaged concrete

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Remove loose rust from reinforcement by light tapping or hammering

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Apply ***RUSTICIDE*** by brush to the rusted steel.

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After 24 hours apply first coat of ***POLYALK FIXOPRIME*** and cement slurry in the weight ratio 1:1.25 to the steel.

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After 4-6 hours apply second coat of ***POLYALK FIXOPRIME*** and cement slurry in the weight ratio 1:1.25 to the steel.

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After 4-6 hours, moisten the surface and apply a Bonding Coat of ***POLYALK EP*** and cement slurry in the weight ratio 1:0.5 to the entire broken concrete

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Within 30 minutes of application of Bonding Coat, Prepare and apply by hand ***POLYMER MODIFIED MORTAR*** using 1Kg ***POLYALK EP***, 5 kg Cement 15 kg Graded Quartz Sand. Add little water (@ 1 litre) for DOUGH like consistency. This has to be a wet on application in layers of 15 mm.

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Gradation of Quartz Sand

(8 X 16)	8.00 Kg.
(16 X 30)	3.00 kg
(30 X 80)	4.00 kg.

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If the broken concrete thickness is above 15 mm, after 24 hours

→ After 4-6 hours, moisten the surface and apply a Bonding Coat of ***POLYALK EP*** and cement slurry in the weight ratio 1:0.5 to the entire broken concrete

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Finish the surface with steel trowel

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Air Cure the surface for 48 Hrs

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Sprinkle Water for 3-4 days

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Plaster the surface as usual adding ***SUNPLEX*** (330 gms) pouch per 50 kg bag of cement. Cure as usual.