

MASTERCRETE URP 6

SBR LATEX FOR WATERPROOFING & REPAIRS

DESCRIPTION

MASTER CRETE –URP 6 is a SBR based material useful as a strengthening agent for concrete / mortars in repair / waterproofing applications, as well as a protective coating to rebar's and cementitious substrates. It also serves as a bond coat to repair patch work.

FEATURES & ADVANTAGES

- White turbid liquid can be easily applied by brush.
- Useful as a bonding agent between old and new concrete surfaces
- Excellent as a cement modifier
- Repair mortar modified with Mastercrete URP 6 is suitable for repairing of RCC beams, columns, slabs and other RCC members

TECHNICAL PARAMETERS

- Total solid content : $35 \pm 2 \%$
- Specific gravity : 1.02 ± 0.02
- PH : 9 – 10
- Coverage : 20-22 sq.ft/kg for 2 coats. (Master Crete-URP-6 + cement in the Proportion 1:1.5)
- Pot life : 30-45 minutes, when mixed with Cement at 30°C

RECOMMENDED APPLICATION

AS BONDING AGENT:

- Clean the surface thoroughly of its loose concrete, dust, etc., and pre wet with water adequately.
- Master Crete-URP-6 and cement in 1:1 proportion by volume and brush apply a single coat over the clean surface. Allow this coat to become tacky (15 to 20 minutes) then apply fresh concrete or mortar. If the bond coat is dried, apply 2nd coat.

FOR REPAIRS:

- Remove all loose or cracked concrete till a healthy surface is encountered. Clean reinforcement steel if exposed, by mechanical means.
- Moisten the surface with clean water and allow excess surface water to evaporate
- Master Crete-URP-6 with neat cement in 1:1 proportion by volume. Brush apply a single coat immediately over the cementitious surface.
- Prepare repair mortar by adding 20% Master Crete-URP-6 in 1:3 cement mortar or as specified proportions of the mortar. Use mechanical mixer for better consistency. Apply this mortar when the bond coat is tacky at a thickness up to 10-15 mm. Build up the

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required thickness in subsequent layers of 10-15 mm each over the bond coat. Final layer can be finished with trowel to get smooth finish.

FOR WATERPROOFING

- Prepare the surface as mentioned above earlier to receive the waterproofing coating. Mix Master Crete-URP-6 and cement in 1:1 proportion by volume. Apply 1st coat when the surface is in touch to dry condition and allow it to dry for 4 to 5 hours. Apply 2nd coat and allow it to air cure for at least 72 hours. Over application of mortar screed to a thickness of 15-20 mm must be done to protect the coating from getting damaged. Plaster over vertical surfaces shall be done when the second coat is tacky to have better bonding with the surface.
- Prior to the waterproofing coat all surfaces cracks up to 5mm should be filled with Paintex. The cracks more than 5mm and separation gaps must be filled with polysulphide

AREAS OF APPLICATION

- Waterproofing of terrace, toilets, chajja,
- Masonry walls, sloping RCC roofs, etc.
- Repairs to RCC members
- Waterproofing mortars / concretes
- In repair mortars / concretes

METHOD OF APPLICATION

- Surface for treatment must be thoroughly cleaned of all laitance, loose material, oils, greases etc.
- Mechanical means such as wire brushing, shot blasting can be used, and finally vacuum clean of all loose solids and liquids

PRECAUTIONS AND LIMITATIONS

- Consume mixed material within 45 minutes
- Moisten the surface adequately before coating application
- Dilution of Master Crete-URP-6 is strictly not recommended.
- Do not apply coating over loose or cracked plaster surface
- Not to be used for cathodic treatments to rebar.

PACKING- 1 liter, 5 liters, 20 liters

SHELF LIFE: 24 Months.