

TECHNICAL DATA SHEET

POWERFIX

For those who needs strength...



ESSCRETE CRP

Bonding Agent in Liquid Consistency

- Multipurpose, easy to use & economical product.
- Prevents cracking by improving flexural strength.
- Improves erosion resistance & prevents corrosion.
- Bonds strongly to concrete, stone, work, cementitious surfaces, plasters, masonry.
- Reduces viscosity cement injection grout.



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DESCRIPTION

POWERFIX ESSCRETE CRP is styrene butadiene rubber base. it is ready to use bonding agent in liquid consistency. ESSCRETE CRP is used for repair of floor, columns, chhajjas, slabs, beam, and water proofing of terraces, toilets, bathrooms etc. as it bonds strongly to old and new concrete and plasters. It prevents cracking, pickup dust, improves abrasion resistance.



PACKAGING

500g, 1kg, 5kg & 20kg

COLOUR

Milky White



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TECHNICAL SPECIFICATIONS

PROPERTIES	RESULTS
Appearance	Free flowing liquid
Colour	Milky white
Specific Gravity @ 30c. grams/ml	1.02 + 0.02
Non-Volatile matter, %	42-44
PH value	7-9
Bond strength, N/sq mm	5
Chemical resistance Resists	mild acids & alkalis
Freeze thaw resistance	Excellent

HEALTH & SAFETY PRECAUTIONS

- Avoid contact with skin and eyes.
- Any splashes to the skin or eyes should be washed off with clean water.
- Wear mask when mixing.
- Wear protective gloves and eye protection when applied.

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METHOD OF APPLICATION

SURFACE PREPARATION

- Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance & dust. Degrease the surface by using suitable solvents.
- Repair the spalled concrete portion by saw, cutting the extreme edges of the repair location to a depth of at least 10 mm to avoid featheredging & to provide strong bond.
- Clean the concrete surface to remove any contamination where breaking is not possible. Roughen the surface by light scabbling or grit blasting.
- For priming of concrete substrate, the surface should be thoroughly saturated with potable water. Remove any excess of water prior to application.

WATERPROOFING COATING

- For a waterproofing coating Mix ESSCRETE CRP: Cement in the ratio 1:1.5 by volume.
- Mix for 2-3 minutes to avoid air entrapment. Keep on slowly adding cement to ESSCRETE CRP until the required consistency is achieved.
- Brush applies 2 coats of the mix in a span of 4-6 hours on the prepared concrete substrate.
- Overlay the coating with a protective screed to the desired slope & thickness.

BONDING PRIMER

- For a bonding primer coat of ESSCRETE CRP: Cement in the ratio 1:1 by volume.
- Brush applies 1 continuous coat of the mix on the prepared concrete substrate.
- Ensure to overlay the repair mortar when the bond coat is still tacky.

REPAIR MORTARS & RENDERS

- Mix design - Portland Cement: 50 kg
- Washed sand: 150 kg
- ESSCRETE CRP: 6-7 kg & Water: 10 Lit

FLOOR SCREEDS & PCC

- Mix design - Portland Cement: 50 kg
- Sand: 75 kg
- 6 mm downsize aggregates: 75 kg
- ESSCRETE CRP: 6-7 kg & Water: 10 Lit

MIXING & APPLICATION

- A forced action mixer is essential (PAN Mixer) & recommended to ensure that ESSCRETE CRP mortar is thoroughly mixed. Use a suitable sized drum with heavy-duty electrical drill machine fitted with spiral paddle mixer at slow speed of 300-500 rpm.
- Hand mixing is permissible only for 20 kg or less quantity.
- Charge the mixer with required quantity of clean & dry sand (or coarse aggregates as needed), cement & mix for 1-2 minutes, then add the recommended dosage of ESSCRETE CRP Add in water which is pre-batched. Mix for 2-3 minutes to avoid air entrapment. Keep on slowly adding water until the required consistency is achieved.

SHELF LIFE

- 12 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature.

SAFETY PRECAUTIONS

- Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.
- For more details please refer the relevant Material Safety Data Sheet, available on request.

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