

BONDCRETE SR1

(SINGLE COMPONENT POLYMER-MODIFIED FAIRING COAT)

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BONDCRETE SR1 is based on a blend of portland cements, graded silica sands, water reducing agents and compatible water resistant polymers. A pre-packed, single component, polymer modified fairing coat designed for application in thin layers to concrete surfaces.

BONDCRETE SR1 requires only addition of clean water to produce a fairing fine finish for patching and repairing of concrete and masonry surfaces.

BONDCRETE SR1 fairing compound can be used at a thickness from featheredge to a 5 mm thickness in one application. .

USES

BONDCRETE SR1 may be used to patch and repair interior and exterior, above or below grade, vertical horizontal or overhead concrete and masonry surfaces. Specific uses include resurfacing and leveling uneven surfaces, filling small holes, honeycombs and spalled areas and tuck-pointing both cracks and mortar joints.

ADVANTAGES

- Easily mixed by simple addition of water on site.
- Excellent thin layer adhesion
- Smooth finish ready to receive surface paints
- Can be used for repairs and resurfacing from featheredge to 5 mm thickness
- Filling pinholes
- Chloride free
- Weather resistant finish Crack resistant

MIXING

20kg bag of **BONDCRETE SR1** will require approximately 5 to 6 liter of cool water. Small quantities can be mixed by hand but larger quantities should be mixed with a slow speed drill and paddle, the water should be placed in the container first and the powder added with stirring. Stirring should continue for 2-5 minutes to obtain cohesive paste. For application by trowel slightly less water should be used.

Chemically Engineered Products

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SURFACE PREPARATION

Surfaces must be structurally sound, clean and free of dirt and all other contaminants. Clean and properly prime all exposed reinforcement, if any. When the substrate to be patched is non-absorptive, abrade as necessary to ensure proper bonding. Light sweep blasting would be sufficient to achieve good surface for bonding. Any oil and grease contaminants should be removed by proper methods such as using a suitable degreasing solution. Dampen the surface with clean water immediately before application. Wipe up excess water on horizontal surface to prevent dilution of the mixed **BONDCRETE SR1**

APPLICATION

Thoroughly dampen areas with clean water immediately before patching. Apply sufficient pressure to fill all holes and voids, and then trowel to a smooth finish. On large areas, use a screed to obtain a uniform level before trowelling, do not over-trowel.

BONDCRETE SR1 should be applied with a minimum of working time and should be allowed to partly set before trowelling to a final smooth finish. Depending on the smoothness of surface texture requirements, a small amount of water may be splashed on to a partially set surface of **BONDCRETE SR1** and then trowelled to a smooth finish.

The minimum application temperature is 5° C.
The pot life is approximately 1 hour at 20° C.

Curing:

Curing is not required, but under high temperatures and dry winds, it may be prudent to use **T- BOND A**.

COVERAGE

20 kg bag **BONDCRETE SR1** mixed mortar will yield approximately 12.75 liters. One 20 kg bag covers 12.75 square meters at 1 mm thickness.

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TYPICAL PROPERTIES

The following results were developed under laboratory conditions.

Initial Setting time (ASTM C 905 :96)	:	330 mins
Final Setting time (ASTM C 905:96)	:	400 mins
Working Time (ASTM C 308 : 96)	:	45 mins
Fresh Wet Density (ASTM C 905:96)	:	1658 kg/m ³

PACKING & STORAGE

Packing

BONDCRETE SR1 is available in 20 kg bags

STORAGE

BONDCRETE SR1 should be stored in original undamaged packs in cool and dry storage area. The shelf life of BONDCRETE SR1 is one year. The material must not be allowed to freeze or placed in open sunlight.

LIMITATIONS

- Do not apply BONDCRETE SR1 more than 12 mm deep in one application.
- Do not use BONDCRETE SR1 in cracks that are structural and especially live cracks.
- Do not apply BONDCRETE SR1 to frozen or frost filled surfaces or at temperatures below 4°C, or if temperature is expected to fall below 4°C within 24 hours.

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HEALTHY & SAFETY

BONDCRETE SR1 is non-flammable and non-toxic in nature. Avoid contact with eyes and skin as it may cause irritation due to its alkaline nature. Splashes of **BONDCRETE SR1** should be washed off immediately with clean water. Wear necessary gloves and dust mask.

PRECAUTIONS

Protection:

All works must be protected from rain and frost until fully hardened.

Cleaning:

Clean application tools and mixing equipment with water immediately following use.

Whilst the information and/or specification given are to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and any labour involved are beyond our control.

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BondChem@NewYork.USA.com
Bond-Chem.com