TECHNICAL DATA SHEET

OverCrete

Polymer-Modified Concrete Repair/Resurfacing Mortar

DESCRIPTION

OverCrete is a one-component, polymer-modified concrete repair/resurfacing mortar for smoothing, resurfacing and restoring horizontal or vertical concrete surfaces. OverCrete offers superior durability for all interior and exterior concrete applications, including vehicular and pedestrian traffic.

OverCrete is available in two formulas:

- **OverCrete-Fine** is blended with fine sands for a smoother finish on repairs from featheredge to 1/2" (13 mm).
- **OverCrete-Coarse** is blended with fine/coarse sands for a broom finish on repairs from 1/8" to 1-1/2" (3–38 mm).

APPLICATION

Surface Preparation: The concrete must be sound and free of all foreign material, including oil, grease, dust, laitance and other surface contaminants. All surfaces to be repaired should be high-pressure water blasted to produce an open, rough surface profile (minimum CSP 2–3). The surface must be misted/pre-dampened with water to a saturated surface-dry (SSD) condition with no standing water.

When applying a thin overlay by broom or squeegee, scrub a bond coat into the pre-dampened surface before the overlay to ensure proper adhesion.

Mixing: Mix by hand or with a low-speed drill. Add the recommended amount of water to the container first, then slowly add the OverCrete powder. Suggested mixing water is approximately 5.25–5.75 pints (2.5–2.7 L) per 40 lb (18.1 kg) bag (13.7–15.0% by weight), depending on desired consistency. Mix 2–3 minutes. Mix only what can be applied within the 25-minute working time. Do not mix longer than 3 minutes. Do not overwater, overmix or retemper.

Placement: When placing with a trowel, broom or squeegee, it may be necessary to apply pressure to force OverCrete into cracks, voids and honeycombed areas. OverCrete retains its moisture and spreads easily. For deep applications, apply in layers and allow 5–6 hours between applications. Allow the moisture to leave the surface and allow OverCrete to stiffen before applying the final finish and texture. Avoid extreme weather conditions, especially heat and wind. OverCrete may be spray applied with a hopper gun.

Curing: OverCrete reaches its final cure in 24 hours. Protect from rain or excess water until cured.

Deep Applications: For applications over 1-1/2" (38 mm), extend OverCrete-Coarse with clean, SSD 3/8" (10 mm) aggregate up to 50% by weight (20 lb / 9.1 kg) and mix an additional 2 minutes. Pre-dampen the aggregate before mixing and reduce the total mixing water by the amount of free water in the aggregate.

TECHNICAL DATA INFORMATION

At 70 °F (21 °C)

Set time..... 90 min

Working time.....25–30 min

Age	Compressive (C109)	Bond (C882)
6 hours	1,700 (11.7)	–
1 day	2,500 (17.2)	–
7 days	4,000 (27.6)	1,800 (12.4)
28 days	5,000 (34.5)	2,150 (14.8)

Values in psi (MPa).

PACKAGING

40 lb (18.1 kg) pail (36 pails per pallet)

1511 Baltimore Ave, Suite 600
Kansas City, MO 64108

www.SpecChem.com
816-968-5600

40 lb (18.1 kg) bag (60 bags per pallet)

Coverage: approximately 60–70 sq ft at 1/16" (5.6–6.5 m² at 1.6 mm) for OverCrete-Fine; approximately 16–18 sq ft at 1/4" (1.5–1.7 m² at 6 mm) for OverCrete-Coarse. Actual coverage will depend on substrate texture and application method.

CLEANING

Tools and equipment may be cleaned with water before OverCrete hardens.

SHELF LIFE

When properly stored in a cool, dry area, shelf life is 12 months. Excessive temperature differential and/or high humidity can shorten the shelf life.

LIMITATIONS

Do not retemper after initial mixing. Do not add acrylic admixtures (e.g., StrongBond), other cements or additives. Clean mixing equipment with water immediately after use.

Joints and cracks in the existing concrete will telegraph through the OverCrete overlay. Applying a sealer such as SpecChem AquaShine or Surface Shine will improve the abrasion resistance of the repair in exposed horizontal applications.

Do not allow repairs to freeze until the material has reached a minimum compressive strength of 1,000 psi (6.9 MPa). Surface and ambient temperatures between 50 °F and 90 °F (10–32 °C) are required at the time of application. In adverse temperatures, follow ACI recommendations for hot/cold weather concreting. For optimum results, condition material to 65–85 °F (18–29 °C).

Caution: Contains portland cement and sand. Cement will cause irritation. Avoid contact. A dust respirator, safety goggles and rubber gloves are recommended. Avoid prolonged contact with clothing. In case of contact with eyes, immediately flush with water for at least 15 minutes and get prompt medical attention. Do not wear contact lenses when working with this product. DO NOT take internally. Keep out of reach of children.

Avoid hazards by following all precautions found in the Safety Data Sheet (SDS), product labels and technical literature. Please read this information prior to using the product.

WARRANTY

NOTICE – READ CAREFULLY

CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.

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