

REPCON H-350 is a single component, polymer modified, fiber reinforced, concrete repair mortar with integral corrosion inhibitor for use in a variety of screed, trowel down or form and pour repair applications. REPCON H-350 incorporates the latest in polymer technology offering superior durability, performance and ease of application in industrial, commercial and infrastructure applications.

Surface Preparation: The concrete must be sound and free of all foreign material, including oil, grease, dust, laitance or other surface contaminants. For maximum durability, saw cut the perimeter of the repair 1/8" deeper than the depth of the repair, creating a notched, reinforced edge. Mechanically abrade the surface by an engineered approved method in accordance with ICRI 310.2 Guide-line to a minimum CSP 5. **All concrete surfaces to be repaired must be in a saturated-surface-damp (SSD) condition with no standing water on the surface.**

Priming/Scrub Coat: Thoroughly clean all exposed steel reinforcing of rust and coat with **SpecPrep SB**.

Prepared concrete must be SSD and primed with a spray or brush coat of **SpecPrep SB** and the repair mortar applied wet on wet or up to the recommended open time (see **SpecPrep SB** technical data sheet). As an alternative, apply a scrub coat of the properly mixed repair mortar by scrubbing a thin layer into the predampened substrate with a stiff brush. Place the repair mortar immediately before the bond coat dries.

Mixing: Mix 4.5 – 5.0 pints (depending on desired consistency) of clean water per 50 pound bag of material. Mix with a low speed drill. Add recommended amount of clean water into the container, followed by slowly adding the REPCON H-350 powder. Mix 2-3 minutes. Mix only what can be applied within the setting Single component polymer-modified concrete repair mortar with corrosion inhibitor

REPCON® H—350

FEATURES/BENEFITS

- One component, dry-polymer modified. Just add water.
- Fiber-reinforced for added strength
- Dry-polymer technology for excellent freeze-thaw durability with integral corrosion inhibitor
- Easy to apply flowable consistency
- Natural concrete-gray color
- Can be used for a variety of horizontal concrete repairs and form & pour applications.
- Takes foot traffic in 4-6 hours period. REPCON H-350 can be applied in applications from 1/4" to 2" in a lift.

Deep Applications: For repair applications over 2", REPCON H-350 should be extended with clean, SSD, 3/8" aggregate up to 50% by weight (25lbs) and mix an additional 2 minutes. This extension will add approx 0.15 cu-ft to the unit yield and should be placed within 15-20 minutes.

Placement: Trowel, or screed REPCON H-350 firmly into the prepared area, ensuring intimate contact with the bonding surface. Finish REPCON H-350 level with the surrounding concrete and allow to take an initial set. After the initial set, when REPCON H-350 is surface hard, finish by hand trowelling.

Finishing/Curing: Finish the repair material to the desired texture to best match the surrounding concrete. Do not add additional water to the surface during finishing. Lightly spray SpecFilm as a finishing aid on this and any other polymer modified mortars to assist in finishing. REPCON H-350 is self-curing under most conditions. In severe drying conditions, use an ASTM C-309 compliant, water based SpecChem curing compound.

TYPICAL TEST DATA

SPECIFICATIONS/COMPLIANCE

ASTM C-928 (Rapid Hardening Mortar)

Set Time at 70oF (ASTM C-266)

Initial Set 60 min

Final Set 90 min

Compressive Strength (ASTM C-109)

1 day 2450 psi

7 days 6050 psi

28 days 9000 psi

Bond Strength (ASTM C-882 modified)

7 days 1600 psi

Flexural Strength (ASTM C-348)

7 days 650 psi

28 days 1200 psi

Yield

Yield Per Bag .43 cu-ft

TECHNICAL DATA

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Kansas City, MO 64108

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866.791.8700

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SHELF LIFE

LIMITATIONS/PRECAUTIONS

Shelf life of unopened bags stored in a dry facility is 12 months. Excessive temperature differential and/or high humidity can shorten the shelf life expectancy. Store in a cool, dry area away from direct sunlight. Minimum thickness for horizontal repairs subjected to heavy or severe traffic is 1/2". Do not retemper after initial mixing. Do not add other cements or additives to this product. REPCON H-350 is a fast setting product, so mixing equipment should be cleaned with water as soon as

possible. Do not allow repairs to freeze until the material has reached a minimum of 1000 psi compressive strength. In adverse temperatures, follow ACI recommendations for hot/cold weather concreting practices. Use only potable water for mixing. Minimum surface and ambient temperature of 45oF and rising is required at the time of application. For optimum results, condition material to between 65F and 85F.

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. 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

Material Safety Data Sheet (MSDS), product labels, and technical literature. Please read this information prior to using the product.

CLEAN UP

Tools and equipment may be cleaned with water before REPCON H-350 hardens.

PACKAGING

50 lb bag

Coverage: approx 20 sq-ft @ 1/4"