



AC COAT

Reinforcing Steel Anti-Corrosion Coating

PRODUCT DESCRIPTION

Five Star® AC Coat is a polymer modified, cement-based coating containing corrosion inhibitors that provides corrosion protection for reinforcing steel.

ADVANTAGES

- Provides corrosion protection for reinforcing steel
- One component for ease of use
- Excellent adhesion to steel and concrete

USES

- Rebar exposed to chlorides

PACKAGING AND YIELD

Five Star AC Coat is available in plastic pails containing 16 lbs (7.3 kg) of material yielding approximately 1.5 gallons (5.6 liters) with coverage of approximately 55 - 60 ft² (5.1 - 5.6 m²) at a thickness of 0.04 inch (1 mm).

SHELF LIFE

Two years in original unopened packaging when stored in dry conditions; high relative humidity will reduce shelf life.

TYPICAL PROPERTIES AT 70°F (21°C)

Tack-free Time to Touch	30 to 60 minutes
Recoat Time	60 minutes
CPR Corrosion Resistance Test	4% Chloride Solution - Excellent
Working Time at 70°F (21°C)	90 minutes

PLACEMENT GUIDELINES

1. **SURFACE PREPARATION:** All reinforcing steel to be coated must be mechanically cleaned by acceptable means such as abrasive blasting or high pressure waterblasting to remove rust, scale, grease, oil and other bond inhibiting materials. Surfaces must be between 45°F and 90°F (7°C and 32°C) at time of application.
1. **MIXING:** Condition material to between 45°F and 90°F (7°C and 32°C). Thoroughly mix Five Star® AC Coat with a drill and paddle mixer for approximately three minutes. Adjust consistency if necessary. Never exceed the maximum recommended amount of mixing water stated on the package or an amount that will cause segregation.
2. **PLACEMENT PROCEDURES:** Completely coat all exposed reinforcing steel with two coats of Five Star AC Coat to a total thickness of at least 40 mils using a suitable brush. Allow coating to dry to the touch (approximately 30 to 60 minutes) before applying second coat. Repair material can be applied after 2 to 3 hours but within 7 days. Shotcrete material can be applied after 24 hours but within 7 days.
3. **POST-PLACEMENT PROCEDURES:** Coating shall be protected from weather until repair material is placed.

NOTE: PRIOR TO APPLICATION, READ ALL PRODUCT PACKAGING THOROUGHLY. For more detailed placement procedures, refer to Design-A-Spec™ installation guidelines or call the Five Star Engineering and Technical Service Center at (800) 243-2206.

CONSIDERATIONS

- Do not use as a bonding agent.
- Minimum substrate temperature is 45°F (7°C) and rising at time of application.
- Condition material to between 45°F and 90°F (7°C and 32°C) before use.
- Apply repair material within 7 days. Keep coating clean. Protect from rain and temperatures below 45°F (7°C) for a minimum of 24 hours.
- Cure coating for 24 hours before application of shotcrete repair material.

CAUTION

Contains cementitious material. International Agency for Research on Cancer has determined that there is sufficient evidence for the carcinogenicity of inhaled crystalline silica to humans. Take appropriate measures to avoid breathing dust. Avoid contact with eyes and contact with skin. In case of contact with eyes, immediately flush with plenty of water for at least 15 minutes. Immediately call a physician. Wash skin thoroughly after handling. Keep product out of reach of children. **PRIOR TO USE, REFER TO MATERIAL SAFETY DATA SHEET.**

For worldwide availability, additional product information and technical support, contact your local Five Star distributor, local sales representative, or you may call Five Star's Engineering and Technical Service Center at (800) 243-2206.

WARRANTY: "FIVE STAR PRODUCTS INC. (FSP) PRODUCTS ARE MANUFACTURED TO BE FREE OF MANUFACTURING DEFECTS AND TO MEET FSP'S CURRENT PUBLISHED PHYSICAL PROPERTIES WHEN APPLIED IN ACCORDANCE WITH FSP'S DIRECTIONS AND TESTED IN ACCORDANCE WITH ASTM AND FSP STANDARDS. HOWEVER, SHOULD THERE BE DEFECTS OF MANUFACTURING OF ANY KIND, THE SOLE RIGHT OF THE USER WILL BE TO RETURN ALL MATERIALS ALLEGED TO BE DEFECTIVE, FREIGHT PREPAID TO FSP, FOR REPLACEMENT. THERE ARE NO OTHER WARRANTIES BY FSP OF ANY NATURE WHATSOEVER, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IN CONNECTION WITH THIS PRODUCT. FSP SHALL NOT BE LIABLE FOR DAMAGES OF ANY SORT, INCLUDING PUNITIVE, ACTUAL, REMOTE, OR CONSEQUENTIAL DAMAGES, RESULTING FROM ANY CLAIMS OF BREACH OF CONTRACT, BREACH OF ANY WARRANTY, WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR FROM ANY OTHER CAUSE WHATSOEVER. FSP SHALL ALSO NOT BE RESPONSIBLE FOR USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT HELD BY OTHERS."

Five Star Products, Inc.
Corporate Headquarters
750 Commerce Drive
Fairfield, CT 06825 USA
Tel: 203-336-7900 • Fax: 203-336-7930
<http://www.fivestarproducts.com>



©2009 Five Star Products, Inc. (07/01/09)
American Owned & Operated