



ROOF TILE GUARD

RTC ROOF TILE COATING

ULTIMATE DURABILITY COATINGS

Technical Data & Application Instructions

PRODUCT DESCRIPTION

RTC-100L (light colors) and RTC-500D (dark colors) **INFRASHIELD** ROOF TILE COATING is a single component, top quality acrylic polymer combined with IR pigments for use over properly prepared concrete roof tiles and other surfaces. This **INFRASHIELD** product creates a weather proof seal that resists sun and rain and effectively increases the reflectivity over non-IR colors. This proprietary chemistry blocks the energy from the unseen infrared spectrum from the sun. Half of the energy (heat) from the sun is transmitted through the unseen infrared rays and this is the energy that **INFRASHIELD** blocks. Because infrared energy is invisible, the color your eye sees looks the same but **INFRASHIELD** colors are dramatically cooler than the same color made from traditional color chemistry. Some darker colors are up to eight times more reflective than traditional color chemistry.

RTC is also available in traditional color chemistry. These are RTC-200L (light colors) and RTC-300D (dark colors).

BASIC USES

RTC is recommended for use on aging concrete roof tiles that are losing their original color or any non-glazed roof tile where the original color is not desirable or a more energy efficient, reflective color is required. RTC is used on schools, offices, warehouses, commercial buildings, shopping centers and residences. RTC complies with VOC content limits as required by current Air Pollution Regulation on Architectural Coatings.

INSTALLATION

PREPARATION:

Surface must be dry and free of efflorescence, dirt, soap, oil, wax, grease, coatings, sealers or other bond breaking contaminants. Remove chalky or loose paint, rust, loose mil scale, mildew or any other contamination or condition that would adversely affect the performance of the coating. Apply #CS2 Primer/Sealer in the recommended amount prior to application of RTC. (See data sheet for CS2 Primer/Sealer)

Application: Stir well before using. Apply with a brush, short nap roller or sprayer. If puddles occur, brush or roll out. Keep foot traffic off for 2 to 4 hours at 77°F and 50% relative humidity. Apply a job test sample for approval. Clean up immediately with soap and water while still wet. **NOTE:** Lower temperatures and/or higher humidity will increase cure time.

TECHNICAL DATA

1. Type	Acrylic Polymer
2. Coverage	200-300 sq. ft. per gallon (depending on surface texture and porosity)
3. Recoat	2 hours at 77°F and 50% relative humidity
4. Cure Time	8 to 12 hours at 77°F and 50% relative humidity
5. Color	Various
6. Solids	51% by weight
7. VOC	35 G/L
8. Viscosity	105-110 KU
9. Peel Adhesion	Excellent
10. Blush Resistant	Excellent
11. Water Resistant	Excellent
12. Clean up	Soap and Water while wet
13. Packaging	1 gallon, 5 gallon, 55 gallon



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LIMITATIONS

- Substrate and air temperature must be above 50°F
- Do not apply in high humid or wet conditions
- Do not use on glazed ceramic tile or slate
- Keep container from freezing

DRYING TIME At 77°F (25°C) and 50% humidity

- TO TOUCH 15 to 20 minutes
- THROUGH DRY 50 to 60 minutes
- TO RECOAT 2 hours

PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Wear protective clothing, gloves and safety glasses. Harmful or fatal if swallowed.

ANTIDOTES:

INGESTION: Do not induce vomiting. Call a physician.

EYES: Flush with large amounts of water for 15 minutes, holding eyelids open. If irritation persists see a physician.

INHALATION: Remove to fresh air and rest.

SKIN: Wash thoroughly with mild soap and water.

WARRANTY

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective, any claim of defective product must be received in writing within one year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.



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