



Decking and Sealer Products Since 1923

# Roof Tile Sealer RTS-0V Series

## Technical Bulletin

**D**esert Brand Roof Tile Sealers are zero V.O.C. (volatile organic compounds), acrylic, water-based, clear sealers designed for the long lasting protection of concrete or clay roof tiles. Specifically designed to control efflorescence upon roof tile surfaces, RTS-0V also provides excellent water resistance and UV protection while reducing moss and mildew growth. As a zero VOC formula, RTS-0V not only protects the most important asset of a building (the roof), but is also a safe, environmentally friendly alternative to higher VOC products. It is formulated with the latest core-shell technology to satisfy the requirement of a high-quality sealed tile.

### SUGGESTED USES:

- RTS Series sealers are specifically formulated to supply a deep penetration into concrete tile, while at the same time delivering a non-yellowing, semi-gloss, and highly water-resistant film upon the surface.
- The resulting finish is quick to dry and provides primary and secondary protection from the unsightly effects of efflorescence.
- These sealers are successfully used over a variety of concrete tiles ranging from slate or S-tiles, to the more difficult simulated shake and shingle tiles.

### METHOD OF APPLICATION:

- RTS-0V can be applied using different dosage rates to create a range of appearances from a subtle, matte look to a more protective, semi-gloss finish.
- RTS Series sealers are primarily formulated to be applied upon the concrete tile surface after the curing process (dry side).
- In some instances, the sealer may be applied to pre-cured concrete tile (wet concrete), depending upon temperature, curing time, and humidity of the kiln.
- RTS sealers are to applied during the manufacturing of the concrete roofing tile by means of spray equipment and at no less than 40°F.
- Most concrete roof tile manufacturing facilities utilize a recirculation spray booth unit, in conjunction with conveyors, prior to following curing.
- In most facilities, sealer is supplied in bulk quantities and is delivered to the spray units by way of low pressure delivery lines.

### PRECAUTIONS:

- Drying times are dependent on temperature, humidity and film thickness.
- Do not allow to freeze.

### TECHNICAL DATA

Data	RTS-0V
Appearance:	Opaque to milky white
VOC (mg/L):	0
Solids (wt.%):	10%, 15%, 20% (±0.5)
Density (lbs/gal):	8.43-8.53 ±0.2
pH:	11.6
Drying Time:	15-60 seconds @ 140°F
Coverage:(sq. ft./gal):	16-600

Storage:	Cool dry place. Do not allow to freeze.
Shelf Life:	12 months in unopened container.
Packaging:	Bulk deliveries. Drum packaging available.

For additional information, please refer to Safety Data Sheet (SDS) and the Desert Brand Technical Bulletin TB121: Application Testing Procedures.

### CLEANING OF EQUIPMENT:

- Equipment and hands may be cleaned with mild liquid detergent and warm water.
- Disposal of any unused material must comply with local, state, and federal regulations.

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