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Desert Brand Roof Tile Sealer RTS-0V Series

TECHNICAL BULLETIN

Description

Desert 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 and 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, without the limitations concerning excess volatile organic compounds.

Suggested Use

RTS Series sealers are specifically formulated to supply a deep penetration into the 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 being successfully used over a variety of concrete tiles ranging from slate or S-tiles, to the more difficult simulated shake or 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 the pre-cured concrete tile (wet concrete), depending upon temperature, curing time, and humidity of the kiln. RTS sealers are to be 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 or 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. For additional information, refer to Technical Bulletin #TB121 on "Application Testing Procedures".

Precautions

Do not allow Desert Brand RTS-0V to freeze. If allowed to freeze, product will not thaw to a usable product. For further information on sealing concrete or clay roofing tile, application procedures, and/or recommended parameters, contact your authorized Hill Brothers Chemical representative.

Technical Data

RTS-0V

Appearance:	Opaque to milky white
V.O.C. (mg/L):	Zero
Solids (wt. %)	10%; 15%; 20% (± 0.5)
Density (lbs/gal):	8.43-8.53 ± 0.2
Viscosity (cps):	5-10
pH:	8.7-9.3
Drying Time:	15-60 seconds @ 140°F
Coverage (sq.ft/gal):	16-600
Shelf Life:	One (1) year
Storage:	Do not allow to freeze.
Packaging:	Bulk Deliveries Drum packaging available.

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