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## Desert Brand ROOF TILE SEALER RTS Series

# TECHNICAL BULLETIN

### Description

Desert Brand Roof Tile Sealers are low V.O.C. (volatile organic compounds), water borne state of the art nano particle size acrylic clear sealers designed specifically to control efflorescence upon concrete roofing tile surfaces. Secondary advantages are to slow moss or mildew growth, give water resistance, and UV protection.

RTS Series sealers have been specifically formulated to provide a deep penetration into the concrete tile yet leaving a non-yellowing, semi-gloss, and highly water-resistant film upon the surface. This resulting film will provide primary and secondary protection from the unsightly effects of efflorescence. These sealers have been successfully used over a range of concrete tiles from the least difficult such as Slate or S-tiles to the more difficult simulated shake or shingle.

RTS-300 is a high solids sealer designed for use where the concrete roofing tile is exposed to a high degree of humidity during both its manufacturing phase and use. Since exposure to humidity promotes the initial effects of efflorescence more rapidly, RTS-300 is the preferred sealer to use.

RTS-200 is designed for use where the concrete roofing tile is exposed to a lesser degree of humidity during manufacturing and ultimate use. Custom blend RTS products are also available such as RTS-250.

RTS Zero VOC has been formulated with the latest technology to satisfy the requirement of a high quality sealed tile without the limitations concerning excess volatile organic compounds.

RTS Series sealers are primarily formulated to be applied upon the concrete tile surface after curing. In some instances application of the sealer can be utilized upon the pre-cured concrete tile (wet concrete), depending upon temperature, curing time, and humidity of the kiln.

### Application and Use

RTS sealers are applied during the manufacturing of the concrete roofing tile by means of spray equipment and at no less than 40°F.

Most concrete roofing tile manufacturing facilities utilize a recirculation spray booth unit in conjunction with conveyors prior to or after 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 further information on application procedures and recommended parameters contact Hill Brothers Technical Services Department or your local representative. See Technical Bulletin #TB121 on "Application Testing Procedures".

### Precautions

Do not allow Desert Brand Roof Tile Sealer to freeze. If allowed to freeze, product will not thaw to a usable product.

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