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TECHNICAL BULLETIN

Desert Brand

ROOF TILE SEALER

RTS Series
Application Testing Procedures

Purpose

Clear sealer is applied to the tile surface to improve the appearance and control efflorescence. The following steps are recommended by the manufacturer to ensure proper application.

Recommended Parameters

Wet film thickness: 2.5 to 10 mils depending on product grade. This industry standard for wet film thickness will provide optimum protection and visual aesthetics. Lower wet film thickness will compromise the quality of the finished product.

Resulting dry film thickness will be 0.8 to 1.2 mils depending on product grade, depending on type and porosity of the tile.

Preparation

1. TO CHECK WET FILM THICKNESS:

a) Use a piece of glass or plexiglass approximately the same size as a roof tile. Run the glass/plexiglass through the spray booth.

b) Place a wet film thickness gauge on the glass/plexiglass at 90° angle. Do not drag or twist the gauge, simply press it onto the glass and withdraw it. Note the deepest tooth having sealer on it and the next higher tooth that does not have sealer. The film thickness lies between these two readings.

c) Quickly clean the gauge with clean water and dry after each use. Repeat test on several locations on the glass sheet to determine uniformity.

d) Clean the glass/plexiglass and store for future use.

2. TO CHECK FOR EVEN DISPERSION:

a) Place a piece of cardboard on top of a tile. Run through the spray booth.

b) Check cardboard for uniformity in color. Darker areas have more sealer, lighter areas have less. If uneven, follow instructions for cleaning spray heads (Step 3a.)

3. TO CORRECT UNEVEN SPRAYING:

a) Spray heads should be soaked daily in suitable solvent such as Desert Brand Retarder or Desert Brand Stripper.

b) If equipment is shut down the spray heads must be changed or re-cleaned if sealer has dried.

c) Check the pressure of the lines.

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