CT DENSIFYER
SERIES 629

PRODUCT PROFILE

GENERIC DESCRIPTION
Silicate Blend

COMMON USAGE
CT Densifyer is a clear, penetrating, water-based sealer for virtually all above-grade, horizontal, poured-in-place concrete. Concrete treated with CT Densifyer resists dusting, abrasion, wear, and damage. The treatment does not alter the color or texture of the surface, nor significantly affect the vapor transmission qualities of the substrate. The solution penetrates the substrate and chemically reacts to increase density at the surface and dustproof concrete.

COLORS
CT Densifyer is a clear liquid when applied but dries clear, leaving the aesthetic appearance of the substrate unchanged.

PERFORMANCE CRITERIA
Contact your Tnemec representative for specific test results.

LIMITATIONS
CT Densifyer is not formulated for use on vertical, non-cementitious or below-grade surfaces. It is not intended to seal visible cracks. The substrate should not be acid washed after application. CT Densifyer must penetrate into and react with the concrete for effective performance; therefore, it is not suitable for painted concrete.

SURFACE PREPARATION

ALL SURFACES
The surface to be treated must be sound and free of cracks, dirt, oils, efflorescence, paint, curing compounds and all other contaminants, which may affect the penetration of CT Densifyer. Fill all cracks and voids if necessary. New concrete must cure long enough to walk on before treatment. Existing installations should be pressure washed to remove any water-soluble contaminants, loose or broken cement paste and aggregate. Following pressure washing, the surface should readily absorb water and show no signs of any water beading. The surface must be dampened with potable water at the time of application.

Protect all surfaces not intended for treatment from overspray. Should incidental contact occur with these surfaces, remove overspray immediately with mild soap and water. Do not allow soap solution to contact the surface being treated.

TECHNICAL DATA

CURING TIME
Protect treated surfaces from pedestrian and vehicular traffic for at least 8 hours, and from rain and lawn sprinklers for 6 to 8 hours. Allow 7 days before evaluating performance.

VOLATILE ORGANIC COMPOUNDS
0 lbs/gallon (0 grams/litre)

ACTIVE INGREDIENT
Silicate Blend

ACTIVE CONTENT
9%

PACKAGING
1 gallon (3.79 L) cans, 5 gallon (18.96 L) pails

NET WEIGHT PER GALLON
8.35 ± 0.10 lb/gal (1002 g/L)

STORAGE TEMPERATURE
Minimum 35°F (2°C)     Maximum 100°F (38°C)

Note: Material should be stored at temperatures between 70°F and 90°F (21°C and 32°C) for a minimum of 48 hours prior to use.

SHELF LIFE
12 months at recommended storage temperature.

FLASH POINT - SETA
>210°F (>99°C)

HEALTH & SAFETY
Paint and related products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.

Keep out of the reach of children.
Coverage rates are guidelines and will vary depending upon the texture of the surface and porosity of the substrate.

<table>
<thead>
<tr>
<th>Substrate</th>
<th>Sq. Ft./Gal.</th>
<th>m²/litre</th>
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<tbody>
<tr>
<td>Concrete</td>
<td>300 - 350</td>
<td>7.4 - 8.6</td>
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A test application must be performed to determine the exact coverage rate, desired performance and compatibility of CT Densifyer and the substrate before beginning a job.

Mixing

Do not dilute or thin. CT Densifyer must be used as supplied by the manufacturer.

Application equipment

Apply using airless spray, low-pressure spray, or gear pump sprayer with a fan tip (0.03-0.06 orifice). Insure that the surface remains wet for 20 to 30 minutes at 70°F (21°C) by pushing standing material to areas not covered or by misting with additional water. Do not allow to dry, as etching and/or whitening can occur. All pooled or puddled areas must be dispersed. After the application has penetrated into the substrate, the surface can be rinsed with clean water and allowed to dry.

If a second application is desired: Once the material has penetrated and begins to gel (sticky) apply a second application of the liquid and follow the same procedure for spreading. After second application has penetrated into the substrate for 20 to 30 minutes at 70°F (21°C), the surface can be rinsed with clean water and allowed to dry.

Caution: Do not allow material to dry prior to rinse.

Surface temperature

Minimum 45°F (7°C)     Maximum 90°F (32°C)

Maintenance

None required. Life expectancy is dependent upon substrate condition and quality of application.

Cleanup

Clean equipment after use with water and mild detergent.