

Series 35 – Diamond Glass Densifier

Technical Data:

Packaging

1 Gallon Pail
5 Gallon Pail
55 Gallon Drum

Coverage

Coverage can vary from surface to surface depending on roughness, porosity and density of the medium being applied. Application technique can also vary the coverage. On smooth, dense surfaces, the coverage should generally range from 400 to 800 square feet per gallon.

Specifications

Dry Time: 1 to 2 hours

Color: Clear

Freeze Point: 32°F, do not allow to freeze

V.O.C.: 0 lbs per gallon

Shelf Life: 1 year in sealed container

Flash Point: N/A

Coefficient of Friction at 800 grit polish (on average)

WET – 0.688

DRY – 0.840

Solids: Approximately 18%

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Description

The 35 Series Diamond Glass Densifier is an eco-friendly, impregnating lithium silicate densifier specifically designed to be used in the polishing of natural and cementitious surfaces. It is a concentrated formula and dilutes with water. It can be used in both interior and exterior applications. The **Diamond Glass Densifier** penetrates and protects the surface without affecting its natural appearance. The polishing application increases the abrasion resistance while increasing the resistance to freeze/thaw scaling, efflorescence, spalling, staining, mildew and fungi, and water intrusion. The enhanced penetration capability with the NANO glass beads provide extended life, higher abrasion resistance with lower maintenance requirements, reduced cleaning costs and repairs while achieving an extremely high degree of reflection. It forms a dense, breathable, surface that will not flake or peel. The natural reaction of the lithium silicate with the lime / calcium hydroxide of the cement close off most of the fine capillaries in the concrete creating a highly dense, hard surface and greater light reflection.

Uses

The 35 Series Diamond Glass Densifier can be use over stucco, granite, natural stone, limestone, terrazzo, decorated concrete and any material made with Portland Cement as a binder. Typical applications include concrete, polished concrete or stone flooring, countertops or any porous surface, natural stone or cementitious product, requiring added protection or reflectivity.

Surface Preparation

Ensure the substrate is dry and free of all foreign materials such as curing agents, laitance, glaze, efflorescence, dust, dirt, oil, grease, curing compounds, etc. that may impair or prevent penetration or bonding.

Application

The 35 Series Diamond Glass Densifier may be applied by spray, roller or brush. NOTE: Be sure to stir or shake thoroughly before applying. As a densifier for polished concrete it is best applied with a pump type sprayer and applied with a microfiber floor applicator. Mix the product with 4 parts water to 1 part Diamond Glass Densifier (one gallon container makes 5 gallons of ready to use densifier). Surface should be evenly saturated. Do not allow liquid to puddle. Depending on surface porosity, climate and temperature, dry time can be as much as 2 hours.

Once treated, the surface can take foot traffic after 2 hours. The surface will continue to harden over time, reaching its maximum durability and resistance over approximately 7 days.

Use water to clean tools or equipment, no special or hazardous disposal methods are necessary.

Limitations

Do not apply when temperatures are below 40° F or above 100° F. In hot, dry, windy conditions, you may consider lightly dampening the surface prior to applying **Diamond Glass Densifier**.

For more information go to: www.universalpolishingsystem.com