RESIDENTIAL & COMMERCIAL

INDUSTRIAL & MARINE

ART & CRAFT

SHIMICOAT SURFACE SOLUTIONS

Groutex

Grouting Latex

Pack Sizes

Pack Size (Lt)
5Lt
20Lt

Description

Groutex is a concrete grouting latex compound and bonding additive specifically formulated for use in re-grouting / filling of pores in concrete surfaces. Groutex Grouting Latex adhere permanently to form an inherent part of the concrete polishing process. It contains latest technology Polymeric Latex Compound and a blend of specialty surfactants to assist deep and effective penetration through concrete surface for ideal surface grouting.

Once surface grinding of concrete is completed, Groutex is used to seal and fill micropores to prepare the surface for polishing. The product is highly effective in patching and filling small air pockets / pin holes when polishing concrete floors. Groutex Grouting Latex is cost efficient, environmentally preferred (water-based) latex polymer for use as part of surface preparations for polishing. The product can be used as supplied, ready to use (RTU). No dilution or premix make down is required. Groutex Grouting Latex is a modified, latex polymer engineered for use as a high-strength binder in surface coating and concrete polishing. It is for use in high-quality and high performance as a pre-coating or basecoat latex; and in size press applications.

The product offers excellent pick strength combined with excellent runnability on high-speed blade coaters. It is especially recommended for increasing the total coating solids. Because of its excellent film forming characteristics, it gives a tight coating with exceptional pores filling capability and delta gloss.

Features

- Fills majority of pin holes in concrete
- Help aid shine and clarity on polished concrete
- Helps aid in cleanliness of floor
- VOC Compliance (No Volatile Organic Compound emission)
- Environmentally responsible
- Ready to use
- Excellent stability above 150oC (300oF)
- Prevents moisture and gas migration to the surface
- Extraordinary electrolyte stability when exposed to solutions containing high levels of mono valent ions such as Sodium and Potassium (Na^{+} and K^{+}) or bivalent ions such as Calcium or Barium (Ca^{+2} and Ba^{+2})

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Coverage

Each Liter covers 6sqm (6sqm/Lt)
20Lt Drum covers approximately 100sqm

Applications

Spray over the wet surface
Scrub using a Fine Bristle Broom
Grind using 120Grit diamond disks
Read SHIMICOAT Polishing process for further information

Dry Time at 25°C

2-3 hours at 25°C

Preparations

Clean and dry surface. Ensure surface to be polished is free of all dirt, grease, oil, paint, curing agents and other contaminants. Removal of Oil Contamination by degreaser and alkaline cleaning pressure wash
Acid-wash to enhanced surface porosity and etch the surface.
For further information, please refer to SHIMICOAT Instruction for "Surface Preparations"

NOTE: Surface preparation for polishing is different to Epoxy coating. Please read SHIMICOAT Polishing Procedure for further information.

Specifications

Physical Properties:

Appearance	Milky water think liquid
Solid Content (%)	>25% Active Latex Polymer
VOC	0%
Thinning, Dilution Chemicals and Clean Up	Water Soluble
Application Conditions (Temp °C)	10 – 30 °C (DO NOT apply at Sub-Zero Temp
Coverage Rate	6 sqm/L to be applied using brittle broom
Specific Gravity	1.01
pH	8.5
Brookfield Viscosity	<150cpc
Surface Tension	40 Dynes/cm
Glass Transition Temperature	20°C
Mechanical Stability	Excellent
Multivalent Ion Stability (Tolerance)	Excellent
Shelf Lift	24 Months
Foam	Low
Emulsifier	Anionic

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Direction

Groutex is a single part grouting latex compound and bonding agent used as part of the Mechanical Polishing Process. Groutex has superior bonding to concrete surface and it is used in conjunction with Densilicate "Concrete Densifier & Surface Impregnator" (Prior to Desilicate). The product is environmentally benign containing Latex Polymer and a blend of biodegradable emulsifying surfactants.

Spray a light coat of water to wet the surface and help with the absorption of Groutex into the surface pores. Avoid puddling. While wet, SHIMICOAT Groutex should be sprayed using pump, or poured using watering can and a fine bristled broom. Apply Groutex 2-4meters in-front of the grinder. Agitate the floor with the bristled broom to clean out the dust, out of the pores in the concrete and displace them with Groutex. Run the grinder with 120 grit diamonds through the wet Groutex treated surface. SHIMICOAT Groutex blend and combine with the dust being created by the 120 grit diamonds and *in-situ* produced slurry will be forced into holes created by air bubbles and pulled-out aggregate. Afterwards, gently sweep the floor with an extremely fine broom to get most of the excess balled up slurry off the floor. Before it dries hard, grind the entire surface using 120 or one size coarser (not coarser than 80Grits). Grind the surface with 120Grit ensuring smooth finished surface. The surface is now ready for densifier application. Apply densifier to the floor with a pump sprayer and using a micro-fiber applicator, mop the entire surface evenly. No puddling, allow densifier to sit for 6 hours. SHIMICOAT Groutex is a ready to use (RTU) product, there is no need for dilution. Refer to SHIMICOAT Concrete Densifier-Surface Impregnator for further details.

Warning:

- Please consult MSDS of the product prior to use.
- Coverage and consumption rates will vary depending on the porosity and roughness of the concrete being treated. Stain resistance and sheen level will vary depending on the porosity and roughness of the concrete being treated.
- SHIMICOAT Groutex is not suitable for below freezing temperatures (Sub-Zero).
- Adverse weather conditions or humidity may affect cure time and application rates.

Storage

- The products shall be stored out of direct sunlight and heat at all times. The shelf life of the product is 24 months, mix uniformly for 3 minutes prior to use.
- Protect latex from freezing; not freeze-thaw stable. The recommended temperature range for storage is 4°C-49°C (40°F-120°F).
- Bulk storage should be stainless steel (304 or better) or plastic tanks. Do not allow the accumulation of water, dirt, or other contaminates.

For further information, please contact SHIMICOAT technical team.