



GLAZE PLUS

TECHNICAL DATA SHEET

GO SEAL-1200

GO SEAL-1200 (Premium Lithium Hardener & Densifier)



DESCRIPTION

GO SEAL-1200 is a premium lithium silicate hardener and densifier designed to strengthen, densify and protect concrete, marble and natural stone surfaces. The advanced water-based formulation penetrates deep into the substrate and reacts with free calcium compounds to form permanent Calcium Silicate Hydrate (C-S-H), creating a harder and denser wear layer.

Unlike conventional hardening systems, GO SEAL-1200 provides advanced lithium densification throughout the surface, helping reduce dusting, lower water absorption and improve abrasion resistance. The treatment enhances durability while maintaining the natural appearance and breathability of the substrate.

Suitable for new and existing surfaces, GO SEAL-1200 improves long-term performance in industrial, commercial and architectural applications. The treatment becomes an integral part of the substrate and will not peel, blister or flake like conventional coatings.

DURABILITY

GO SEAL-1200 contains advanced lithium silicate technology that penetrates deeply into the substrate and creates permanent densification within the wear zone. The resulting structure significantly improves hardness, abrasion resistance and long-term floor performance. GO SEAL-1200 is UV stable, non-yellowing and breathable. The treatment continues to improve surface performance throughout the life of the floor while reducing maintenance requirements.

ELIMINATES DUSTING

Weak and porous surfaces often generate dust due to insufficient density and surface wear. GO SEAL-1200 penetrates deeply into the substrate and strengthens the wear zone by creating a denser internal structure. This process helps bind loose particles, significantly reducing dust formation and improving overall cleanliness.

The treatment creates a harder and more stable surface that remains easier to maintain throughout its service life. Floors treated with GO SEAL-1200 demonstrate improved resistance to surface degradation while maintaining a clean and professional appearance..

GREATER ABRASION RESISTANCE

GO SEAL-1200 significantly improves the abrasion resistance of concrete, marble and natural stone surfaces. By strengthening the wear layer and reducing surface porosity, the treatment helps protect against damage caused by foot traffic, equipment movement and daily operational wear.

The enhanced hardness provided by GO SEAL-1200 contributes to longer service life, reduced maintenance requirements and improved floor performance in commercial, industrial and institutional environments..

ENHANCED SURFACE STABILITY

Advanced lithium silicate technology helps stabilize the substrate and improve the overall integrity of the treated surface. GO SEAL-1200 promotes a denser and more durable surface structure while maintaining breathability.

The treatment helps improve resistance to moisture-related deterioration and supports long-term floor performance under demanding service conditions.

REDUCES TIRE MARKS

GO SEAL-1200 creates a smoother and denser wear surface that helps minimize tire abrasion and reduce visible tire marks caused by forklifts, pallet trucks and other wheeled equipment.

The improved surface quality contributes to easier cleaning and a more professional appearance in warehouses, factories and commercial facilities.

RESTORES AGING FLOORS

As floors age, surface wear, dusting, abrasion and deterioration can reduce their performance and appearance. GO SEAL-1200 helps strengthen existing concrete and stone surfaces by improving density and hardness within the wear layer.

When incorporated into floor restoration, grinding or polishing programs, the treatment helps improve durability, enhance abrasion resistance and extend the useful service life of older surfaces.

FAST RETURN TO SERVICE

GO SEAL-1200 is designed for efficient application and minimal disruption to operations. The advanced water-based formulation penetrates quickly and allows treated areas to return to service shortly after the application process has been completed.

Because the treatment does not form a topical coating, there are no concerns regarding peeling, blistering or extended curing periods associated with conventional surface treatments.

COST EFFECTIVE PERFORMANCE

GO SEAL-1200 improves the durability, appearance and long-term performance of treated surfaces while reducing maintenance requirements.

The densified surface requires less ongoing upkeep, contributes to lower cleaning costs and helps extend the service life of the floor.

Reduced dusting, improved abrasion resistance and enhanced durability provide long-term value for commercial, industrial and institutional facilities.

ENVIRONMENTALLY RESPONSIBLE

GO SEAL-1200 is a water-based, low-VOC treatment formulated for safe and responsible use. The product contains no added solvents, is non-flammable and produces minimal odour during application.

The environmentally conscious formulation makes GO SEAL-1200 suitable for a wide range of projects where performance, safety and sustainability are equally important considerations.

ADVANTAGES:

- Premium lithium silicate technology for long-term hardening and densification
- Deep substrate penetration for enhanced durability
- Helps improve abrasion resistance and reduce surface wear
- Minimizes dusting and improves floor cleanliness
- Water-based formulation with low VOC content
- Easy one-step application
- Does not form a surface film and maintains natural appearance
- Helps improve surface gloss and visual clarity over time
- Compatible with polishing and burnishing operations
- Supports easier floor maintenance and reduced lifecycle costs
- UV stable and non-yellowing
- Suitable for interior and exterior applications
- Fast drying and low odour
- Helps extend the service life of concrete and stone surfaces
- Does not peel, blister or flake
- Suitable for new construction and restoration projects
- Improves surface density while maintaining substrate breathability.

TECHNICAL INFORMATION

Technical Data	
FORM	Clear water-liked liquid
SPECIFIC GRAVITY	1.05
ACTIVE CONTENT	6.0%
TOTAL SOLIDS	6.0%
pH	11.0
WT/GAL	8.6lbs
FLASH POINT	Non Flammable
FREEZE POINT	0
VOC CONTENT	<20g/L
SHELF LIFE	2 years in unopened, factory sealed container

LIMITATIONS

The information contained within this Technical Data Sheet is provided as a general guide based on laboratory evaluation, field experience and available technical information. Actual performance may vary depending on substrate condition, site environment, application method and maintenance procedures.

- GO SEAL-1200 is designed to strengthen and densify sound surfaces and is not intended to repair structural defects.
- Existing cracks, damaged areas or substrate failures should be repaired prior to application.
- Not recommended for asphalt, painted surfaces, resin-based terrazzo, plastic concrete or other non-cementitious substrates.
- Surface contamination may reduce penetration and performance.
- Application should not be carried out on frozen surfaces or surfaces containing standing water.
- Always prepare a test area before full-scale application to confirm compatibility and desired appearance.
- Coverage rates may vary depending on substrate porosity, condition and environmental factors.
- Do not dilute or mix with other chemicals unless specifically recommended by the manufacturer.
- Store and handle according to product instructions.
- Professional application practices should always be followed to achieve optimum performance.

SURFACE PREPARATION

Please read all SAFETY INFORMATION and APPLICATION INSTRUCTIONS before using GO SEAL-1200.

SURFACE

Application of GO SEAL-1200 may begin once the prepared surface is clean, dry and free from standing water. Do not apply to frozen, contaminated or saturated surfaces.

Concrete, marble and natural stone surfaces must be structurally sound, clean and absorbent prior to treatment. Any dust, dirt, oil, grease, curing compounds, coatings or contaminants that may interfere with penetration should be removed before application.

Acid-treated surfaces should be thoroughly neutralized and rinsed prior to treatment. Confirm absorbency by applying a light water spray to the surface. Water should wet the substrate evenly without excessive beading.

Protect adjacent surfaces, vehicles, glass, metals, landscaping and surrounding areas from overspray, wind drift or accidental contact. Use suitable masking materials where necessary. Always prepare a test area to verify compatibility, appearance and expected performance before proceeding with full-scale application.

EQUIPMENT

Apply GO SEAL-1200 using:

- Low-pressure sprayer
- Microfiber applicator pad
- Soft-bristle push broom
- Squeegee
- Floor scrubbing equipment where required

AIR AND SURFACE TEMPERATURE

TEST AREA

- Prepare a minimum test area of 1.5m × 1.5m (5ft × 5ft) for each substrate type.
- Allow the test area to dry completely before evaluation.
- Observe penetration, appearance and performance characteristics.
- Retain approved test sections as project reference standards.

STORAGE AND HANDLING

- Store GO SEAL-1200 in tightly sealed original containers.
- Recommended storage temperature: 4°C – 38°C (40°F – 100°F)
- Protect product from freezing temperatures, direct sunlight and excessive heat exposure.
- Do not mix with other chemicals or additives unless approved by the manufacturer.
- Keep containers sealed when not in use.
- Dispose of unused material and empty containers in accordance with local regulations.
- Keep out of reach of children.

PACKAGING

1KG | 5KG | 20KG

APPLICATION INSTRUCTIONS

DILUTION

GO SEAL-1200 is supplied ready for use and should not be diluted. Apply directly from the container when treating cured concrete, marble, natural stone, ground or honed surfaces. For highly polished surfaces, a light mist application is recommended to ensure uniform penetration and prevent excessive material accumulation.

COVERAGE RATES

Freshly Placed, Uncured Steel-Troweled Concrete

- 12.5 – 20 m²/L
- 500 – 800 ft²/US gal

Cured Steel-Troweled Concrete

- 10 – 17 m²/L
- 400 – 700 ft²/US gal

Cured Ground/Honed Concrete

- 10 – 15 m²/L • 400 – 600 ft²/US gal

PLEASE NOTE

Coverage rates are provided as guidelines only. Actual coverage will vary depending upon substrate porosity, surface profile, density, temperature, humidity and application conditions.

TYPICAL COVERAGE RATE EVALUATION

Determine the appropriate application rate by preparing and testing a representative section of the surface.

- Prepare the test area according to the Surface Preparation section.
- Confirm that the substrate is clean, dry and absorbent.
- Apply GO SEAL-1200 using a clean low-pressure sprayer equipped with an adjustable spray tip.
- Distribute the material evenly using a microfiber applicator pad.
- Measure the treated area and product consumption to establish the recommended project coverage rate.

DRYING TIME

Typical drying time: 30 Minutes – 1 Hour

Drying times may vary depending on temperature, humidity, ventilation and substrate absorbency.

FRESHLY PLACED, UNCURED STEEL-TROWELED CONCRETE

1. Complete all final surface preparation and saw-cut control joints where required.
2. Remove all dust, debris and construction residue from the surface.
3. Using a low-pressure sprayer, apply a uniform coat of GO SEAL-1200 at a rate sufficient to wet the surface without creating puddles.
4. The treated area should remain uniformly wet for approximately 5–10 minutes after application.
5. Spread material evenly using a microfiber applicator pad pre-moistened with GO SEAL-1200.
6. Additional material may be applied to highly porous areas that absorb the treatment rapidly.
7. Remove any excess material that remains on the surface after penetration has occurred.
8. Allow the treated surface to dry thoroughly before proceeding with additional finishing operations.
9. Once dry, the surface may be burnished using appropriate high-speed burnishing equipment to enhance appearance and surface gloss.
10. Additional applications may be performed where increased densification or gloss enhancement is desired.

CURED STEEL-TROWELED CONCRETE

1. Remove all dirt, dust, debris, curing compounds and surface contaminants.
2. Allow the surface to dry completely before application.
3. Confirm surface absorbency by applying a light water spray. Water should wet the surface uniformly.
4. In hot and dry conditions, lightly dampen the substrate with clean water and allow any standing water to evaporate.
5. Apply GO SEAL-1200 uniformly using a low-pressure sprayer.
6. Spread the material evenly using a microfiber applicator pad to ensure complete surface coverage.
7. Maintain a wet appearance for approximately 5–10 minutes. Additional material may be applied to porous areas as required.
8. Remove any excess material remaining on the surface after penetration has occurred.
9. Allow the treated surface to dry thoroughly before use.
10. Burnishing may be performed where enhanced appearance and gloss are desired.

CURED AND GROUND / HONED CONCRETE

1. Grind, hone or level the concrete surface using appropriate floor preparation equipment.
2. Depending upon the required finish, use abrasive systems ranging from 50 to 200 grit.
3. Remove all grinding dust, slurry, debris and contaminants.
4. Allow the surface to dry completely.
5. Apply GO SEAL-1200 evenly across the prepared substrate using a low-pressure sprayer.
6. Distribute material uniformly using a microfiber applicator pad.
7. Ensure complete penetration and remove excess material from the surface.
8. Allow the treatment to dry before continuing with additional grinding, honing or polishing operations.

PLEASE NOTE

GO SEAL-1200 is compatible with both wet and dry grinding and polishing systems. Application procedures may be adjusted by experienced contractors to suit specific project requirements, substrate conditions and polishing methodologies.

CLEANUP

Clean all tools, sprayers, applicators and equipment immediately after use with fresh water. Remove overspray from glass, aluminum, painted surfaces and other non-target areas as soon as possible. Do not allow excess product residue to dry on adjacent surfaces. Dispose of rinse water, unused product and containers in accordance with local environmental regulations.

FINAL RESULTS

The treated surface is ready for normal use once completely dry. GO SEAL-1200 develops its performance through a chemical reaction within the substrate, resulting in increased density, hardness and long-term durability.

Treated concrete, marble and natural stone surfaces should demonstrate:

1. • Reduced surface porosity
2. • Improved abrasion resistance
3. • Lower water absorption
4. • Enhanced hardness and wear resistance
5. • Reduced dusting
6. • Improved surface clarity
7. • Increased resistance to daily traffic and maintenance wear
8. • Improved gloss development through routine maintenance and burnishing

Maximum hardness and water resistance will continue to develop over the days following application as the densification process progresses within the substrate.

MAINTENANCE

To maximize long-term performance, surfaces treated with GO SEAL-1200 should be maintained using neutral pH cleaning products and standard floor maintenance practices.

Do not use aggressive acidic cleaners or harsh chemical treatments that may affect the appearance of the treated surface.

Routine maintenance should include:

- Daily removal of dust and debris using microfiber dust mops or dry cleaning systems.
- Regular cleaning using approved neutral cleaning solutions.
- Immediate removal of spills and contaminants.
- Periodic burnishing where enhanced gloss is desired.
- Scheduled maintenance programs appropriate to the level of traffic and use.

Although GO SEAL-1200 improves stain resistance and surface performance, prompt cleanup of spills is recommended to minimize potential staining from highly reactive substances.

Proper maintenance will enhance appearance, improve gloss retention and contribute to the long-term performance of the treated surface.

FIRST AID

Ingestion: Drink large quantities of water or milk. DO NOT induce vomiting. Seek medical attention immediately.

Eye Contact: Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open. Seek medical attention immediately.

Skin Contact: Wash contacted area with soap and water. DO NOT attempt to neutralize with chemical agents. If irritation persists, seek medical attention.

Inhalation: Remove affected person to fresh air. Wash mouth and nasal passages with water repeatedly. If breathing difficulties persist, seek medical attention.

TECHNICAL SUPPORT

Admin Office C401 Swami narayan Business Park Narol Circle Ahemdabad - 382405

Website : www.glazeplus.in | Email : sales@glazeplus.in | Helpline no. +918368077496