

Shine & Shield Extreme is a water-based polymeric protectant that improves the appearance and durability of concrete floors. **Shine & Shield Extreme** contains a powerful stain-resistant additive and is further enhanced with lithium silicate, which provides densification of the concrete surface. This product also contains UV absorbers that enable **Shine & Shield Extreme** to protect colored or dyed concrete against UV degradation. **Shine & Shield Extreme** can be used alone or in combination with DH4, DH6 or DH9 concrete densifiers for a glossy finish, harder surface and protective seal.

Advantages

- Extends stain resistance
- Enhances color
- Provides durable traffic-wear resistance
- Improves traction
- May be burnished
- Simplifies maintenance
- Multiple applications over prolonged periods

Technical Data

Form	Milky White
Ph	9.8
Density	8.51 lbs/gal
Spec. Gravity	1.022
Total Solids	23%
VOC	<100 g/l



PACKAGING

1 Gallon Jug
5 Gallon Pail
55 Gal. Drum
Tote

*Note: Do not dilute, Ready to use.

Coverage Rates

Shine & Shield Extreme will yield different coverage results depending on the porosity of the floor. Test on a small sample area to determine appropriate application rate and technique before applying to entire project area. Rates can range from 600 to 1,200 ft per gallon. Use these coverage rates as a starting point to determine necessary application rate.

Directions for Use:

DO NOT DILUTE, READY TO USE. Cure new concrete by a wet or sheet cure method in accordance with ASTM C171, or with a curing compound that meets the requirements of ASTM C309. To maximize strength and other physical properties of the concrete slab, the American Concrete Institute recommends new concrete cure seven days or longer before removal of curing method. Refer to TDS for more information on new concrete curing.

All concrete must be clean of dirt, oil, and other contaminants before applying Shine & Shield Ultra. **The performance of Shine & Shield Extreme is maximized when applied to concrete already densified with DH4, DH6 or DH9 depending on the hardness of the concrete.** Allow at least 24 hours of drying time after densifier application before applying Shine & Shine Extreme.

Application to New or Old Concrete:

DO NOT DILUTE, READY TO USE. Air temperature during application must be between 40°F and 100°F. Prior to application, if the floor is very absorbant spray a light coat of water for a more uniform coverage and smoother appearance. Do not apply over standing water.

Using a pump-up sprayer, spray Shine & Shield Extreme on the surface while wet and immediately spread with a microfiber pad. Do not apply heavily. Keep a wet edge and do not overlap dried areas to avoid lap marks. Allow Shine & Shield Ultra to dry tack-free, about 30-60 minutes. then buff or burnish as desired. For best results use a high speed burnisher equipped with a soft pad. Apply up to 3 coats following the same technique. Typically the floor will be traffic ready approximately 1 to 2 hours following final burnishing. Do not expose the floor to water for 72 hours.

Floor Joints: If the floor joints are to be filled after SHine & Shield Extreme has been applied, they must be thoroughly cleaned before installation of joint filler. Cleaning joints by concrete saw or a grinder equipped with a wire wheel is recommended.

Shine & Shield Extreme Technical Data Sheet Cont...

Advanced planning is critical to all successful concrete work.

Any adjacent areas, surfaces, or objects not intended to be treated with Shine & shield Extreme should be protected from overspray or drift with plastic sheeting or other proven protective material.

-Surface must be clean and structurally sound, and must be clear of membrane forming curing compounds, oils, dust and other surface contaminants that will prevent Shine & shield Extreme from having full contact with the concrete. Do not use acidic or aggressive detergents when cleaning before or after application of Shine & shield Extreme. Use a pH neutral cleanser.

- Check that sprayers and tips are in working order.
- Designate trained operator(s) to apply Shine & shield Extreme-throughout project, to ensure consistent application.

Application Guidelines

Application may vary depending on the type of project and other jobsite specifics. The information provided is best practice guidelines for Shine & shield Extreme. Every project will present variables that may require adjustment of application procedures during the job. These guidelines are based on terminology used within the concrete and flooring industry sector.

- Agitate the premixed product before application.
- Pour Shine & shield Extreme into the sprayer. Keep the sprayer at optimized levels, allowing even distribution when applying to the concrete surface.
- Dampen the micro-fiber or flat cotton pad with Shine & shield Extreme before spreading material around.
- Spray-apply Shine & shield Extreme in circular motions with the sprayer tip approximately 18" (45 cm) away from the concrete surface.
- Use the micro-fiber or flat cotton pad applicator to spread the Shine & shield Extreme in a thin film across the surface. Using a figure eight motion with the applicator helps to ensure even material distribution.
- Keep a wet edge between the sprayer and application pad at all times. Do not allow dry lines or puddling.
- Allow Shine & shield Extreme to become tack-free before applying a second application or high speed burnishing.
- For each application follow the same steps.

High speed burnishing using a diamond-impregnated or hogs-hair pad will enhance the gloss and clarity of the surface. Allow 12 hours before light foot traffic and 24 hours before heavy traffic. Do not allow standing water to remain on the surface for a minimum of 72 hours.

Limitations & Important Notes

- Shine & shield Extreme is a breathable penetrating sealer that should be considered a sacrificial layer requiring periodic re-application when needed.
- Shine & shield Extreme provides temporary protection from staining and etching agents, but it will not seal or prevent staining indefinitely. Spills must be removed in a timely manner to assure complete protection of the floor finish.
- Floors treated with Shine & shield Extreme should not be cleaned with acidic or abrasive cleaning fluids. Medium to long-term exposure to aggressive cleaning products will cause damage. pH neutral cleansers should be used for continuous maintenance of concrete that has been treated with Shine & shield Extreme.
- During application of Shine & shield Extreme and until dry, treated surface will be slippery. Use extreme care when walking on wet Shine & shield Extreme.
- Jobsite samples are strongly recommended prior to application of all CRP products.

Precautions:

Shine & Shield Extreme should be kept in the original container when possible, with the lid fastened tightly.

- Keep in a dry place
- Temp range of 40°-100° F or 4-38°C
- Do not allow to freeze
- Protect metal, glass, wood and any surface from overspray. Wash accidental overspray with clean water immediately.

FIRST AID

Ingestion: Not expected to be toxic. If swallowed, immediately give two glasses of water.

Inhalation: May cause irritation. Move to fresh air and provide oxygen. Eye Contact: Flush with plenty of water for at least 15 minutes. Skin Contact: May cause irritation. Wash affected area with soap and water. Seek medical attention if irritation persists.