



UltraGuard – with InnerCrete™ Membrane Technology Product Data Sheet

PERMANENT, INTERNAL CONCRETE WATERPROOFING, PROTECTION & DURABILITY
with FILM-FORMING, HIGH-SHINE SEALER for VERTICAL SURFACES
& ANTI-GRAFFITI BARRIER TREATMENT

Product Description:

UltraGuard with InnerCrete™ Membrane Technology is a high-performance replacement for standard film-forming sealers as it addresses both the “inside” and the surface of the concrete. **UltraGuard is a hybrid-technology and can be used in vertical applications or to replace standard sealers when slip resistance is not a concern.** It is not recommended for horizontal, high-traffic, outdoor areas. It is an ideal solution for use as an Anti-Graffiti Barrier for substrates (when graffitied, use **DeTAG** for removal).

Internally, it chemically reacts with the concrete and modifies it below the surface to create the waterproofing InnerCrete™ Membrane. It also improves durability and service life no matter the age of the concrete.

On the surface, a super-hard, shined film is achieved for stain protection, graffiti protection water repellency and enhanced durability.

Features and Benefits:

- ✓ Provides both improved internal waterproofing & surface water repellency and graffiti protection
- ✓ Ideal **Anti-Graffiti System** for vertical cementitious substrates when used with **DeTAG** for removal
- ✓ Improves concrete durability and service life...internally and on the surface.
- ✓ Gives a shine finish
- ✓ Water-based
- ✓ 1-Part
- ✓ 1 application only (additional applications will build film & shine)
- ✓ Prevents “chalking” / carbonation of concrete
- ✓ Improves resistance to freeze/thaw cycles
- ✓ Reduces maintenance and need for chemical cleaning
- ✓ Improves resistance to stains and mildews
- ✓ Non-flammable
- ✓ Reacts to create permanent internal waterproofing and improvement results to concrete
- ✓ Easy pump-spray application
- ✓ Re-application on high-wear zones are easy – simply clean and reapply.

For Use On:

- ✓ Newly cured (28-day) and existing concrete and Portland-cement-based materials with a very clean, bare, untreated surface.
- ✓ Applied as an effective Anti-Graffiti System (**DeTAG** is used for removal when surface is graffitied)
- ✓ For surfaces that need additional protection against mold/mildews, dirt/stains, high traffic maintenance protection etc
- ✓ Indoor / outdoor, vertical, above / below ground applications – Not recommended for horizontal areas as surface will be slippery when wet – use with standard precautions
- ✓ Concrete can be damp* or dry, but **UltraGuard** should not be applied on dirty, oily, greasy, un-cured or newly poured (less than 28-day old) concrete as the performance of the sealer may be affected.
- ✓ Ensure surface is well cleaned and does not have residual chemical or contamination in the substrate.

Coverage:

150 - 300 square feet / US Gallon (Coverage is based on the condition and porosity of the concrete.)

Only 1 application needed. Additional applications will build surface film and shine.

DO NOT ALLOW TO FREEZE.

DO NOT DILUTE

Do not allow excessive pooling on the surface.

Application Method:

- Low pressure sprayer with a fan tip nozzle.
- Ensure sprayer is VERY well cleaned prior to use or product may be affected.
- DO NOT ATOMIZE (allow the product to become a mist or suspended in air)
- It is recommended to work **UltraGuard** into the surface with a stiff bristle brush/broom or a short nap roller once applied

Site Conditions & Preparation:

- **UltraGuard** should be applied in weather above 5°C
- Substrate should have a porosity that is able to absorb the product.
- Always preform a small test patch to determine product suitability (treated surface will be slippery when wet). If paints or coatings are to be applied – **VersaGuard** should be used instead.
- Ensure all areas not to be treated (such as glass, siding, painted substrates, foliage) are properly protected
- **Overspray should be wiped off any of these substrates prior to drying or it will harden on the surface.**
- **Do not apply in the rain or when rain is forecast. Once applied, protect from rain, water and liquids which will impact proper curing of the product.**
- **Treated surface may be slippery when wet – always take needed safety precautions.**

Surface Preparation:

- Clean surface to remove debris, oil, grease, mold/mildew, stains and any other materials that inhibit the penetration of **UltraGuard** into the substrate. (**WashAway** or **WashAway Extreme** is suggested)
- Ensure the surface is well washed and cleaned and no chemical residues or contaminant remain in the substrate as this will negatively impact the ability of the product to cure.
- Remove any paint, coating, sealant or curing compound. (Check with your consultant for other products such as **DeBOND** or **DeSEAL** that can perform this function)
- Surfaces can be dry or damp*, but should NOT be saturated or have water pooled on the surface as this will dilute the product.

Application:

- Spray on surfaces with a fan tip using back and forth motions ensuring even and liberal coverage.
- Product will pool on / run down the surface rather than be absorbed when sufficient material has been used.
- **Once applied, it is recommended to work the product into the surface with a stiff bristle (non-metal) brush to assist in penetration and ensure adequate coverage – this is especially important on newer and less porous concrete.**
- Product should be applied to saturation but not allowed to heavily pool and dry. If product is still heavily pooled on the surface after 30 minutes – wipe, brush or wash away excess.
- If a higher shine finish is required, a second (or 3rd) application can be applied either when still tacky or when completely dry. Always perform test patch.
- For reapplication projects, simply clean surface and reapply **UltraGuard**.

Dwell Time:

- Once treated, allow at least 12 hours before use. For heavy/industrial traffic use, 24 hours is recommended.
- Do not apply outdoors in the rain or when rain is expect as this will negatively impact the ability of the product to properly cure and achieve desired results. “Whiting” of the surface may occur.
- Avoid sitting sprayers, equipment or items on the newly treated substrate.

Clean-Up:

- Always flush spray equipment especially spray nozzles **thoroughly** with water immediately after finishing.
- Ensure all unused product is stored in closed containers.

Safety and Personal Protective Equipment:

- Use in well ventilated areas – do not ingest, swallow or inhale
- Standard protect gear should be used; gloves, glasses
- In confined spaces, use a painter’s mask.
- Avoid contact with eyes – flush well with water if contact occurs
- If contact with skin occurs – wash off with water.