

ZeraCryl™ W

Advanced Nano-Based Waterborne Clear Concrete Sealer

DESCRIPTION

ZeraCryl™ W is a single component waterborne, self-crosslinking, 100% acrylic clear sealer designed to reduce dusting, facilitate cleaning and to protect and enhance the appearance of concrete for both interior and exterior applications.

ZeraCryl™ W is based on highly advanced nano-polymer technology. It provides a unique combination of properties that are not attainable with any other sealers in the market. It offers great exterior durability and non-yellowing characteristics, as well as excellent adhesion and chemical resistance.

ZeraCryl™ W can be applied to damp concrete. Good early water-resistance and fast drying provide for faster applications and fewer concerns for unexpected rain after the application.

While ZeraCryl™ W is a clear-drying formulation, it will tend to impart a rich darkening, or “wet look” quality to many substrates, especially those of a dark or dark-tinted nature.

WHERE TO USE

ZeraCryl™ W was specifically designed as a penetrating sealer for use over properly prepared smooth or textured concrete for protection and dust proofing. It is recommended for exposed aggregate concrete, stone and interlocking pavers on horizontal and vertical surfaces. It is ideal for driveways, walkways, patios, pool decks, balcony decks, and etc. It is also suitable over acid stained concrete or dye-treated concrete.

BENEFITS

- Odourless, safe and non-toxic water-borne sealer
- Excellent UV and weathering resistance
- Provides colour enhancement and a “wet look”
- Superior exterior durability
- Non-yellowing characteristics
- Easily applied to decorative concrete

- Enhances the beauty of natural stone in exposed aggregate
- Excellent blush resistance
- Fast drying; good early water resistance
- Wet-on-wet application
- Excellent anti-spalling material
- Breathable; yields film with good barrier properties
- Tough yet flexible, with excellent impact resistance
- Excellent water and chemical resistance
- Resistant to hot tire-pick up
- Fungus and mildew resistant
- Protects against penetration of moisture, deicing, salts, petroleum, rust and efflorescence
- Offered in clear and colours
- Available in high gloss and matte finish
- Easy to apply and maintain

HANDLING PROPERTIES @ 23°C (74°F)

Viscosity, cps	150
Solids Content	24%
Density (clear).....	1 kg/L (8.3 lb./US gal)
Application Temperature	10°C- 30°C (50°F-86°F)
VOC's-gm/l	96
Drying time	2-3 hours
Gloss	88°
Freeze-Thaw Stability	excellent
Dry to touch	30 minutes
Re-Coat	3 hours
Light foot traffic.....	4 hours
Normal traffic.....	overnight
Maximum Hardness	7 days

Chemical & Stain Resistance*:

Excellent resistance to: 409 Cleaner, dirty motor oil, brake fluid, skydrol, ethylene glycol, gasoline, TSP, Windex, alkaline, 10% sulfuric acid.

* ASTM D-1308 Spot text; 4-hour exposure

SURFACE PREPARATION & APPLICATION

New concrete must be cured for a minimum of 28 days. The temperature must be above 12°C (54°F). The substrate must

be free of all dirt, waxes, previously applied coatings, oil, grease, laitance and any foreign matter that may interfere with the bonding of the sealer to the prepared substrate. Cracks and surface defects should be repaired prior to the application of the primer.

All concrete should be **grinded or mechanically abraded** (25 grit sand paper) to provide a proper clean surface for adhesion. Heavy duty (high pressure) **power washing** using with a rating of 1,500 psi or higher is the preferred method for exterior applications. Some bad surfaces may require combinations of the above to ensure adequate adhesion to the concrete.

ZeraCryl™ W should be applied directly after the paving stones are installed and cleaned and allowed to dry completely or previously installed paving stones or existing concrete surfaces must be clean and dry, free from all grease, oil, laitance and other foreign matter. If doubt exists as to the condition of the surface, chemical cleaning is recommended. Under no conditions should paving stones or concrete surfaces be cleaned by sand blasting.

Interlocking pavers must be cleaned of all efflorescence using a dilute solution of a commercial heavy duty concrete cleaner. Apply as per directions. Thoroughly rinse and allow to dry completely prior to application of **ZeraCryl™ W**.

Caution: Application of ZeraCryl™ W before pavers are dry will entrap moisture and turn the surface white.

LIMITATIONS

- Minimum application and curing temperature is 10°C (50°F).
- Must be applied over properly prepared surfaces for good adhesion.
- Not recommended for decorative stamped concrete.
- Do not apply during conditions of high humidity.
- Not recommended over other manufacturing products, unless tested for compatibility.
- Protect from rain until dry (at least for 12 hours).
- Applied the product in a thin film to avoid entrapping water that may cause whitening, cracking or peeling.
- Not recommended for heavy vehicular traffic.

COVERAGE

5-7 m²/L (200-280 ft²/U.S. gal) per coat depending on porosity, surface texture and mode of application.

A minimum of two-coats is required.

PACKAGING

18.9 litre (5 U.S. gal)

CLEAN UP

Clean all equipment with potable water prior to material set.

SAFETY PRECAUTIONS

Consult the Material Safety Data Sheet (MSDS) for specific instructions.

TRANSPORTATION REGULATION

Not regulated

STORAGE

One year in a closed and sealed container. Protect from freezing. Store under normal heated warehouse conditions.

WARRANTY

“The recommendations made and the information herein is the result of accurate laboratory and field tests under controlled conditions. We guarantee that the quality and properties of the materials supplied conform to our standards. Zeraus Products Inc. makes no warranties, expressed or implied, as uses and applications are beyond our control. Zeraus Products Inc. shall not be liable for any injury, loss, or damage (direct or consequential) arising from use or inability to use the products. Before using, the user is urged to pre-test the products in his/her own environment to determine the suitability of the products for their intended use, and the user assumes all risk and liability whatsoever in connection therewith.

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