ZeraGrace ™ W

Waterborne Urethane with Advanced Surface Properties

DESCRIPTION

ZeraGrace™ W is a high performance self-crosslinking waterborne urethane modified with an advanced polypropylene wax to enhance surface properties. It provides a smooth, low-porosity film with a high anti-slip performance while having excellent dirt-pickup resistance.

ZeraGrace™ W improves buffability and fill capacity while providing excellent black heel mark resistance. It is designed for floor coating applications where surface durability, cleanliness, and slip resistance are required. It is recommended over 100% solids epoxy floors, such as ZeraDur 100 and ZeraFlex HB. It is offered in matte, satin, semigloss and high gloss finishes.

WHERE TO USE

ZeraGrace™ W is designed primarily as a clear topcoat for interior applications over 100 % solids epoxy floors such as ZeraDur 100 and ZeraFlex HB as well as epoxy terrazzo floors. Typical areas of use include restaurants, bars, studios, lofts, showrooms, retail stores, shopping malls, offices, hotel lobbies, casinos, laboratories, public buildings and residential floors.

BENEFITS

- Waterborne, low-odor formulation; contains no intentionally added volatile solvents or isocyanates.
- Fast-drying; multiple coats per day
- Excellent adhesion to epoxy primers & coatings
- Resistant to black heel or rubber burn marks
- Superior scuff and scratch resistance
- Resistant to UV, stains, caustic, water and cleaners
- Easy to clean and maintain with water and detergents

Handling Properties (Tested @ 23°C (74°F))

Application Temperature	12°C- 30°C (54°F-86°F)
Density Kg/L (lb/US gal)	1.04 (8.7)
Solids	40 %
Tack free time, minutes	30-60
Recoat time, hours	2-3
Light foot traffic	6 hours
Full cure/ normal traffic	7 days

DATA - Cured Film (All tests are conducted after 7 days cure @ 23°C/74°F)

Sward Hardness	36
VOC, g/L	192
Gloss:	
High gloss	88-90°
Semi-gloss	40-60°
Satin finish	28-30°
Matte finish	8-10°
Abrasion Resistance (ASTM D4060) (Taber Abrasion, CS-17 Wheel, 1000 Cycles)	32 mg loss
Impact Resistance (ASTM D2794)	pass 160 in/lb.
Black Heel Resistance (Pendulum Scuff Test, 10= no scuff marks)	8

APPLICATION

ZeraGrace™ W may be applied with a short nap 6 mm roller for optimal performance. It must be applied only as a topcoat over a fully cured, hard epoxy coating or primer.

Apply the coating with minimal pressure in a uniform, consistent pattern using a single-pass application to provide an even coat. **DO NOT ALLOW THE FRESH EDGE OF THE COATING TO DRY. If the coating begins to "clarify" (begins to change from milky white to clear), the coating is curing. Do not roll back into this coating at this stage, as this will create lap marks, hazing, and other differences in the cured coatings appearance. Also avoid heavy applications and puddling.** One coat is sufficient at 350-400 sq ft per gallon.

It is recommended that ZeraLink™ XL cross-linker be used in the topcoat(s), particularly in areas subject to heavy pedestrian traffic.

The finished floor will take normal foot traffic after overnight drying but may remain susceptible to marking by furniture or

heavy traffic until fully cured for 7 days after application. **(Do not cover the coating until fully cured. (7 days @ 23 C (74**/F))

LIMITATIONS

• Avoid puddling or applying the coating in a thick film as it may cause shrinkage, cracking, and poor adhesion
• Applying **ZeraGrace™ W** over a highly damp surface or as a thick film may cause whitening that may not disappear over time
• If multiple coats are required, reapply within 24 hours; otherwise, light sanding is required to achieve good intercoat adhesion
• Not recommended for warehouse facilities, industrial applications, exterior woodwork, decks , garage floors, driveways, or vehicular traffic.
• Not resistant to hot tire pickup
• It will require 7 days of cure (with **Zera**Link™ XL) to achieve maximum performance.

COVERAGE

10.5 m^2/L (350-400 ft^2/U.S. gallon) per coat

PACKAGING

3.79 litre (1 U.S. gal)
18.9 litre (5 U.S. gal)

CLEAN UP

Clean all tools and equipment with water immediately after use.

STORAGE

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.

Zeraus Products Inc. liability, if any, is limited to a refund of the purchased price or replacement of that portion of the merchandise proven to be defective. Zeraus Products Inc. shall have no other liability, including liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability.
This warranty may not be modified or extended by representatives of Zeraus Products Inc., its distributors or dealers.