

ZeraCote™ W-205NS

Non-Slip Exterior Waterborne Urethane Acrylic Coating

DESCRIPTION

ZeraCote™ W-205 NS is a non-slip high performance single component (plus optional ZeraLink XL cross-linker) waterborne urethane acrylic coating. Available in a number of standard colours, ZeraCote™ W-205 NS exhibits excellent durability, flexibility, UV resistance and colour fastness for both exterior and interior applications.

ZeraCote™ W-205 NS may be used as a single component with good overall performance. However, in high traffic applications, the use of cross-linker (ZeraLink™ XL) in the final coat(s) will maximize properties, particularly chemical, abrasion and scuff resistance.

WHERE TO USE

ZeraCote™ W-205 NS is recommended for balcony decks, patios, stairs, pool decks, walkways, porches, interlocking pavers, driveways, etc.

BENEFITS

- Odourless, safe and non-toxic
- Contains no volatile solvents, isocyanate or other hazard materials
- Fast drying; allows multiple applications in a single day
- May be used as a one or two-part (with ZeraLink™ XL cross-linker) coating
- Easy to apply using a roller or conventional spray
- Excellent adhesion to epoxy primers or aged epoxy coatings and properly prepared concrete
- Superior abrasion resistance
- Excellent colour stability and gloss retention
- Breathable; yields film with good barrier properties
- Tough and flexible with excellent impact resistance
- Non-staining or yellowing
- Very high strength and elongation
- Resistant to thermal shock and temperature variations
- Highly resistant to solvents, gasoline, salts, oil, water, caustic and light chemicals
- Can be used for both wall and floor applications
- Offered in 3 standard colours (med. grey, earth grey and taupe)
- Easy to clean and maintain with water and detergents

Handling Properties @ 23°C (74°F)

Application Temperature 12°C- 30°C (54°F-86°F)

| | |
|--|------------------------------|
| Density (coloured) | 1.2 kg/litre (10 lb./US gal) |
| Solids | 36 % |
| Thin Film Set Time (Re-coat Time) | 3 hours |
| Foot Traffic | 6-8 hours |
| Full Service | 7 days |
| Elongation, % | 150% |
| (ASTM D412) | |
| Tensile Strength, | 26 Mpa(3800 psi). |
| (ASTM D412) | |
| All tests are conducted after 7 days cure @ 23°C (74°F) | |
| Pull Out Tensile Adhesion (to epoxy coating) | |
| (ASTM D4541) | 6 MPa (870psi) |
| Concrete failure | |
| Abrasion Resistance (ASTM D4060): | 44 mg loss |
| (Taber Abrasion, CS-17 Wheel, 1000 Cycles) | |
| Impact Resistance | pass 160 in/lb. |
| (ASTM D2794) | |
| All tests are conducted after 7 days cure @ 23°C (74°F). | |

APPLICATION

SURFACE PREPARATION

Over Epoxy Floors:

The epoxy floor receiving ZeraCote™ W-205 NS must be clean, dry and free from contaminants. If the epoxy is aged, light sanding to roughen the surface is important to ensure good adhesion.

Over Concrete Floors:

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 primer 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) or acid-etched to provide a clean tooth for the primer application. If the concrete is damp, prime with any ZeraPrime™ waterborne epoxy primer.

APPLICATIONS:

It is recommended to apply two coats for most applications. Mix ZeraCote™ W-205 NS thoroughly to obtain a uniform

colour and to eliminate the possibility of settlement. Pour working material onto a paint tray and apply using a lint-free 9 mm nap roller evenly across the entire floor or wall. Two coats are recommended for optimal performance. Apply the second coat in the same manner as the first. Allow to cure thoroughly overnight for foot traffic.

For heavy traffic applications, use **ZeraLink™ XL** (cross-linker) to improve performance. Add **ZeraLink™ XL** to the coating at recommended level and mix thoroughly, then apply as described above (contact Zeraus for recommendation).

NOTE: The non-slip additive is already blended in the coating as supplied.

Disclaimer: Although **ZeraCote™ W-205 NS** has a non-slip finish, floors may become slippery under certain conditions. Therefore, it is your own responsibility to determine the level and type of slip resistance that suits your specific needs. We recommend the use of additional slip-resistant aggregates in your floor if it will be exposed to wet, icy or oily conditions.

LIMITATIONS

- Do not use a squeegee to apply a waterborne coating
- Not recommended for floors subject to vehicular or heavy duty warehouse traffic
- Not recommended for garage floors
- Avoid puddling or applying the coating in a thick film as it may cause shrinkage, cracking, and poor adhesion
- Clean the area from chemical spillage immediately with water to avoid staining and damaging
- If multiple coats are required, reapply within 24 hours; otherwise, light sanding is required to achieve good inter-coat adhesion

COVERAGE

A two-coat application (over the primer) is required in most applications.

Roller: 7.5 m²/L (300ft²/U.S. gallon) per coat

Spray: 11.2m²/L (450ft²/U.S. gallon cut 5% by volume) per coat

PACKAGING

ZeraCote W-205 NS:

3.79 litre (1 U.S. gal)

18.9 litre (5 U.S. gal)

ZeraLink XL (cross-linker) is sold separately (optional):

0.08 kg (for 3.79 L unit)

0.39 kg (for 18.9 L unit)

CLEAN UP

Clean all equipment with water

SAFETY PRECAUTION

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

STORAGE

Protect from freezing. Store under normal heated warehouse conditions.

SHELF LIFE

12 months from the date of manufacture when stored in original unopened containers 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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