

ZeraCote™ W-204

High Performance Waterborne Aliphatic Urethane Coating



DESCRIPTION

ZeraCote™ W-204 is a premium, odorless, waterborne aliphatic urethane floor coating. ZeraCote™ W-204 displays a unique balance of hardness, flexibility and chemical resistance. It is offered in a white, silver grey and steel grey matte finish.

ZeraCote™ W-204 contains a high-level of fine grade aluminum oxide to generate maximum scratch, toughness and abrasion resistance. This aliphatic urethane coating provides outstanding UV resistance and color fastness.

ZeraCote™ W-204 is designed to be used in high traffic interior applications. It is recommended to be used in conjunction with a cross-linker (ZeraLink™ XL) in the final topcoat(s). This will maximize the cured properties, particularly abrasion and scuff resistance.

WHERE TO USE

ZeraCote™ W-204 is recommended for a variety of interior medium duty floor applications including commercial floors, cafeterias, institutions, offices, theatres, retails, sport floors, bars and casinos.

Note: The product must be used over existing epoxy floor or in combination with epoxy primer. It is not recommended to be used directly over concrete floor.

BENEFITS

- Odorless; safe and non-toxic
- Fast drying; allows multiple applications in a single day
- Tough yet has good impact resistance
- Outstanding UV resistance and color fastness
- Excellent adhesion to epoxy primer coatings
- Superior abrasion and scratch resistance
- Non-staining or yellowing
- An attractive matte finish
- Resistant to thermal shock and temperature variations
- Highly resistant to gasoline, salts, oil, water, caustic and light chemicals

HANDLING & CURE PROPERTIES @ 23°C (74°F)

Application Temperature	12°C-30°C (54°F-86°F)
Density (colored)	1.18 kg/litre (9.8 lb./US gal)
Thin Film Set Time (Re-Coat Time).....	3 hours
Foot Traffic	6 hours
Full Service.....	7 days

Cure Properties, 7 days

Tensile Strength	44.8 MPa (6,500 psi) (ASTM D412)
Elongation.....	120% (ASTM D412)
Gloss (@ 60°)	8
Sword Hardness	200%
Pullout Tensile Adhesion (to epoxy coating) (ASTM D4541)	6 MPa (870 psi) Concrete failure
Abrasion Resistance (ASTM D4060).....	37 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)

SURFACE PREPARATION

Over Epoxy Floors:

The epoxy floor receiving ZeraCote™ W-204 must be clean, dry and free from contaminants. If the epoxy is aged then 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. Always use an epoxy primer with ZeraCote™ W-204 over concrete floors.

APPLICATION

It is recommended to apply two coats for most applications. Mix **ZeraCote™ W-204** thoroughly to obtain a uniform color and to eliminate the possibility of settlement. Pour working material onto a paint tray and apply using a lint-free 6mm 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.

LIMITATIONS

- Do not use a squeegee to apply a waterborne coating.
- Not recommended for floors subject to vehicular or heavy duty warehouse forklift traffic.
- Not recommended directly over concrete, an epoxy primer or coating is needed.
- Not recommended for garage floors. It is not resistant to hot tire-pickup
- 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.

COVERAGE

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

Roller: 10 m²/L (400ft²/U.S. gallon) per coat

PACKAGING

3.79 litre (1 U.S. gal)

18.9 litre (5 U.S. gal)

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

78gm (for 3.79 L unit)

386gm (for 18.9 L unit)

CLEAN UP

Clean all equipment with water.

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.

SAFETY PRECAUTIONS

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

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.’s 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.

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