ZeraFlex™ 100WP

Hybrid Epoxy-Urethane Waterproofing Coating

DESCRIPTION

ZeraFlex™ 100WP is 100% solids, two-component liquid-applied epoxy-modified urethane coating. It is roller-applied that flows easily into tiny cracks, joints, and irregular shapes. It cures into a flexible, rubber-like, and **seamless protective barrier** that blocks water penetration. It moves with the building as it expands, contracts, or settles without tearing or leaking.

WHERE TO USE

ZeraFlex™ 100WP is recommended for flat roofings, decks, balconies, foundations, planters and metal, wood and concrete surfaces. It is particularly recommended to areas with high movement or temperature fluctuations. A waterproofing and protection material for Steel Structures, Concrete, Sewage Treatment Plants, Water Storage Tanks, Pipelines.

BENEFITS

- Adheres firmly to concrete, cement boards, wood, rubber and steel.
- Self-priming; one coat application @20 mils
- Low odor, solvent-free 100% solids
- Has an ample working time
- Due to being isocynate-free, it produces a bubble-free impervious membrane surface
- Easy to apply, medium viscosity with excellent self leveling properties.
- Cures under high humidity and adverse conditions with no blushing or exudation
- Outstanding impact resistance

HANDLING PROPERTIES

Mix Ratio, by volume	2 parts A: 1 part B
Viscosity (Mixed) @ 25°C (77°F)	2500-3000 cps
Solids Content, by volume	100 %
Mixed Weight (Density)	1.1 kg/litre (9.2 lb./US gal)
Pot Life @ 25°C (77°F)	40 minutes
Foot Traffic @ 25°C (77°F)	16-24 hours
Full Cure and Maximum Resistance	7 days

DATA - Cured Film

Tensile Elongation (ASTM D412)	160% @ break
Tensile Strength (ASTM D412)	11.2 Mpa (1620 psi)
Hardness (Shore D) (ASTM D2240-86)	38
Tensile Adhesion to Concrete (ASTM D4541)	3.2Mpa (450 psi)

Note: The above information is representative of actual production runs. Independent test results may vary from the above by approximately ±10%.

SURFACE PREPARATION

New concrete must be cured for a minimum of 28 days before applying **Zera**Flex™ 100WP. The substrate must be above 15°C (65°F) and must be free of all dirt, waxes, previously applied coatings, oil, grease, laitance, and any foreign matter that may interfere with the bond of the coating to the substrate. Cracks and surface defects should be repaired prior to the application of the coating. All concrete and steel surfaces to be coated should be shot blast, water blast or mechanically cleaned to provide a clean tooth for the coating.

MIXING

The mixing equipment used to mix the coating must be clean and free of any contaminants that may be present in the equipment from previously used products. Mix component A first to eliminate the possibility of settlement. Pour all of the liquid from Part A and Part B into the mixing equipment. A 'Jiffy Mixer' or a mud mixer blade on a slow-speed drill is the preferred method of mixing. Mix the blended components for a minimum of 2 minutes.

APPLICATION

Apply **Zera**Flex™ 100WP to an even thickness using a squeegee and further level using a lint-free 6 mm nap roller (designed for epoxy and urethane), to achieve a total

thickness of 20 mils.

COVERAGE
Based on 20 mils thickness per coat:
2m²/litre (80 ft²/U.S. gallon)

PACKAGING
56.7 L/ 15 U.S. gal. units
11.34L /3 U.S. gal. units

CLEAN UP
Clean all equipment and installation tools immediately with VOC compliant, low odor solvent, xylene.

STORAGE
Store in a heated warehouse. Do not freeze.

SHELF LIFE
Two years from the date of manufacture if kept in original unopened containers under normal heated warehouse conditions.

SAFETY PRECAUTIONS
Read Safety Data Sheet (SDS) prior to use.

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 the 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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