TECHNICAL DATA SHEET

Z-Floor

Water-based epoxy - complete two-component kit

Z-4090-00 | 18.9 L / 5 US gallons

PRODUCT DESCRIPTION

Z-Floor is a high-performance, chemically curing, two-component water-based epoxy coating. It provides excellent adhesion to prepared concrete and metal, high gloss, high hardness and good chemical resistance.

USES

For properly prepared concrete floors, walls and metal surfaces. **Residential, commercial and industrial uses.** Suitable for indirect food contact, particularly in food and beverage plants where sanitation is important and strong solvent odours are poorly tolerated.

Indirect food contact is not an authorization for direct food contact or a certification. Outdoor use, UV exposure and immersion performance are not documented.

System coat count: one coat.

PREPARATION AND PRIMER

All surfaces must be sound, dry and clean, without oil, grease, dirt, mildew, curing compound, blistered or peeling paint, or other foreign material.

For metal, use a pretreatment and a two-component water-based epoxy primer. Contact Zinox to select the primer and preparation system.

The concrete profile, new-concrete curing interval and concrete moisture limits are not specified in the supplied documents and require confirmation before application.

18.9 L KIT

Both components included: 9.45 L of part A + 9.45 L of part B. Total nominal mixed volume: 18.9 L.

Mixing ratio **A:B = 1:1 by volume**. This is not a weight ratio or two 18.9 L pails.

TECHNICAL DATA

Reference appearance / colour
Grey liquid.

Gloss
85-95 (angle not specified).

Odour / viscosity
Low / 65 +/- 5 KU.

VOC of mixture
214 g/L.

Solids by weight, mixed
62 +/- 2%.

Solids by volume, mixed
51 +/- 2%.

Recommended dry film
5-7 mils (127-177.8 micrometres).

Flash point / lead
None; no lead content is stated.

MASS REQUIRING CONFIRMATION

Documented values: 1.39 +/- 0.25 kg/L and 12.37 +/- 0.25 lb/gal. These central values do not agree for a US gallon.

No reliable net or shipping weight for the 18.9 L kit is therefore set in this sheet.

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MIXING AND APPLICATION

Z-Floor system: one coat. Maintain the recommended dry film of 5-7 mils (127-177.8 micrometres).

Stir each component separately, then mix equal volumes of A and B. For the complete kit: **9.45 L A + 9.45 L B**. For a partial batch, retain exactly 1:1 by volume and mix only what can be applied within the pot life.

Induction: the directions state 15-30 minutes, while the table states 30 minutes. Confirm the applicable interval. **Pot life:** 4 hours; this must not be extended because the package is larger.

Apply by brush, roller or spray gun with adequate ventilation. Product temperature must be 10-30 degrees C; air and substrate must be above 10 degrees C. The application table specifies 10-30 degrees C.

HUMIDITY AND CONDITIONS

Stated ideal relative humidity: 50%. The text requires RH below 80%, but the table gives a maximum of 65%. **Contradictory limit: confirm before application.** Do not arbitrarily accept 80% as the admissible limit.

Drying times vary with conditions. Reference conditions for these times are not specified in the supplied document.

THINNING AND CLEAN-UP

The product is supplied ready to use. Only if required, add up to **5% water by volume of mixture**, a maximum of **0.945 L water for 18.9 L**. This water is not part of the sold package and does not justify increasing stated coverage.

Clean immediately with warm, soapy water. Periodically flush spraying equipment during the day according to quantities, temperature and downtime.

EQUIPMENT

Brush: quality synthetic brush, mainly for touch-ups and small areas. **Roller:** permitted; no nap length prescribed. **Airless:** 2,000-3,000 psi; 0.013-0.017 in. tip.

COVERAGE PER 18.9 L

Manufacturer-confirmed coverage: 550 sq. ft. per complete 18.9 L A+B kit, for one coat. This is approximately 51.1 square metres.

Calculation: divide area in square feet by 550, then round up to the next whole complete kit. Each kit already includes components A and B; do not count them separately.

Examples: 540 sq. ft. = 1 A+B kit; 550 sq. ft. = 1 A+B kit; 551 sq. ft. = 2 A+B kits.

Coverage is an estimate. Preparation, porosity and actual conditions may change consumption. No automatic allowance is added to the calculation.

STATED DRYING TIMES

Touch dry: 4 hours.
Before recoating: 16 hours.
Light service: 24 hours.
Full cure: 14 days.

Light service after 24 hours does not mean full chemical resistance. The maximum recoat window, rain resistance and heavy-traffic interval are not supplied.

STORAGE

Store locked up, cool, away from sunlight and out of reach of children. Numeric storage temperatures and shelf life are not specified in this sheet.

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SAFETY

WARNING. Causes serious eye irritation. May be harmful and irritating on skin contact and may cause an allergic skin reaction. Water-based does not mean hazard-free.

Wear protective gloves and clothing and eye/face protection. Ensure adequate ventilation. Store locked up, cool, away from sunlight and out of reach of children.

Consult the SDS and all label instructions before use. Obtain the SDS for both components from Zinox.

FIRST AID

Eyes: rinse cautiously with water for several minutes. Remove contact lenses if easy to do, continue rinsing and obtain medical attention if irritation persists.

Skin: wash thoroughly with soap and water.

Inhalation: move the person outdoors and keep at rest in a position comfortable for breathing.

Swallowing: rinse the mouth. Do not induce vomiting. Immediately call a poison centre or physician. Consult the SDS and label for complete instructions.

WASTE

Consult the municipality for disposal of leftovers, or donate usable leftovers. Do not pour remaining paint into drains. In Quebec: eco-peinture.ca.

WARRANTY

Contact Zinox for the warranty terms applicable to this product. No warranty duration in years is stated in this sheet.

ZINOX TECHNICAL SUPPORT

Z-Floor | SKU Z-4090-00 | Complete 18.9 L A+B kit. For technical assistance, contact Zinox at 1 833 888 7738 or info@zinoxcoating.com.

Mixing ratio 1:1 by volume: 9.45 L A + 9.45 L B. Follow the stated properties, concentrations, times and ratios.

Contact Zinox to clarify the relative humidity limit, induction time, mass, primers, concrete preparation, the maximum recoat window.

Technical values are indicative. This sheet does not replace the SDS for A and B.

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