

DESCRIPTION

ECE-WDP is a two component waterborne epoxy deep penetrating primer. We recommend using **ECE-WDP** for all our epoxy ECE systems as a primer to maximise adherence of topcoats.

ADVANTAGES

- Very low viscosity allows deep penetration into the concrete
- Densifies and strengthens concrete that is weak on the surface
- Can be recoated in the same day

TECHNICAL DATA

Packaging litres / gal us		Color		
1 US gallon kit (0.560 kg Part A / 0.700 kg Part B)		Part A	Part B	Mixture
Recommended Thickness		Clear	Ambre	Clear
-		Shelf Life		
Mix Ratio by volume		12 months in original unopened factory sealed container. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.		
A : B : C = 0.50 : 0.68 : 2.60		Protect from freezing!		
<i>*Please note that the indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage.</i>				
Pot Life (454 g)	VOC (g/litre)	Density (kg/litre)		
1-2 hours @ 25°C	-	Part A	Part B	Mixture
Solids by weight	Recommended Thinner	1.10	1.04	-
24-25%	Water			
Temperature of Substrate		23°C		
Waiting Time before second coat (hours)		6 hours or when the coating has less than 4% relative humidity on the surface		
<i>*Note: Times and data mentioned are based on laboratory conditions. Field results may vary and will be affected by changing ambient conditions, especially changes in temperature and relative humidity.</i>				

ELITE COATINGS CANADA INC.

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ECE-WDP: Technical Data Sheet: June 16, 2026

SURFACE PREPARATION

The surface to be coated must be well primed. Remove dust, laitance, grease, oils, dirt, impregnating agents, waxes, foreign matter, any previous coatings, and disintegrated substances by mechanical means such as shot-blasting (BLASTRAC) or any other approved method to obtain an ICRI-CSP 3-4 profile. The compressive strength of the concrete must be at least 25 MPa (3625 lbs/in²) after 28 days and the tensile strength at least 1.5 MPa (218 lbs/in²).

MIXING

The products must be conditioned at a temperature between 18°C (65°F) and 30°C (86°F).

Pour the resin (A) into the hardener (part B) and mix at low speed to obtain a thick paste. Add 4 equal portions of 650ml of water (2.60 L total) and mix well after each addition to ensure a homogeneous mixture. Mix full units only.

APPLICATION

Apply the product generously with a 20-30 mm long haired roller; roll in both directions for even coverage, avoiding excess thickness. For maximum results the surface will have to remain wet for a period of 30 to 45 minutes by adding more material to the areas where the concrete will appear dry to the eye without ever leaving any extra material.

CLEANING

Clean all application equipment with the water. Once the product has hardened, it can only be removed by mechanical means. In case of skin contact, wash thoroughly with warm soapy water.

RESTRICTIONS

- Do not apply at temperatures below 10°C / 50°F or above 30°C / 86°F
- The relative humidity of the surrounding work environment during the application of the coating and throughout the curing process should not exceed 85%
- Substrate temperature must be 3°C (5.5°F) above dew point measured
- Humidity content of substrate must be <4% when coating is applied
- Do not apply on porous surfaces where a transfer of humidity may occur during the application
- The application of this coating on an interior or exterior substrate without a moisture barrier is at risk of detachment (by hydrostatic pressure)

HEALTH & SAFETY

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapors

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release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Predict suitable ventilation. Consult the material safety data sheet for further information.

IMPORTANT NOTICE

The information and recommendations contained in this document are based on reliable test results according to Elite Coatings Canada Inc. The data mentioned are specific to the material indicated. If used in combination with other materials, the results may be different. It is the responsibility of the user to validate the information therein and to test the product before using it. Elite Coatings Canada Inc. assumes no legal responsibility for the results obtained in such cases. Elite Coatings Canada Inc. assumes no legal responsibility for any direct, indirect, consequential, economic or any other damages except to replace the product or to reimbursement the purchase price, as set out in the purchase contract.

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