



WECTGF-R

WATERBORNE EPOXY COATING

UNE MARQUE SIKA
A SIKA BRAND

DESCRIPTION

WECTGF/R is a two-component waterborne epoxy coating system. It is designed according to specific properties required for concrete floors and walls. It provides outstanding appearance and excellent mechanical properties. It can be used as a primer or topcoat on concrete, wood and other materials. This system has been approved by the Canadian Food Inspection Agency (CFIA) and meets LEED requirements.

PRIMARY APPLICATIONS

- Interior coatings for pharmaceutical installations
- Food processing plants
- Ideal for areas requiring a satin or matte finish
- Wall coating can be easily cleaned by water

ADVANTAGES

- Low VOC allows for interior applications without harmful odors
- Dense surface resistant to bacteria and moisture for easy cleaning
- Excellent adhesive properties allowing for application of various substrates
- May apply several layers on itself
- Fast dry speed
- Long pot life
- Resistant to many chemicals
- Can be used on damp or dry surfaces
- Potential for LEED Canada credit (Low emitting material – Paints and Coatings)

TECHNICAL SPECIFICATIONS AND MECHANICAL DATA

PACKAGING	3 Gallon/15 Gallon	RECOMMENDED FULL CURE	72 hours @ 25°C
MIX RATIO BY VOLUME	2:1	SHELF LIFE	12 months unopened
THICKNESS	Clear: 3-5 mils / 320-530 ft ² gal US Colored: 4-6 mils / 265-400 ft ² gal US	VOC G/L	18.78
TACKFREE TIME @25° C	8 hours	RECOMMENDED THINNER	Water
IDEAL TEMPERATURE	24 - 27°C	POT LIFE @ 25° C	1-2 hours

PROPERTIES @ 23°C (73°F) 50% R.H.

ADHESION TO CONCRETE	350 psi	COMPRESSION RESISTANCE	950 psi
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**ABRASION RESISTANCE
(ASTM D4060) TABER
ABRASER, CS-17 WHEEL
1000G/1000 CYCLES**

175mg loss (masonite
structure

**PERMEANCE ASTM E96
WATER-PROCEDURE B**

12.6 Perms at 4
mils dry
7.3 Perms at 6
mils dry

SURFACE PREPARATION

The surface to be coated must be well primed. Remove dust, laitance, grease, oils, dirt, impregnating agents, 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).
Mix the resin part (A) perfectly before pouring the hardener (part B) according to the indicated mixing ratio. Depending on product amount and size of mixing equipment, mix for 1 to 3 minutes at low speed (300 to 450 rpm). During mixing, scrape the walls and bottom of the container at least once with a trowel to obtain a homogeneous mixture.

APPLICATION

Primer coat: WECTGF/R

Apply the product with a rubber squeegee and use a roller to obtain a uniform and even coating or apply the product directly with a roller, rolling in both directions (from left to right and from front to back) to ensure a uniform coating

Topcoat: WECTGF/R

Apply the product with a rubber squeegee and use a roller to obtain a uniform and even coating or apply the product directly with a roller, rolling in both directions (from left to right and from front to back) to ensure a uniform coating.

(For a satin or matte finish, it is advisable to use a longer haired roller 30 mm)

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.



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- 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).
- Protect the coating from all sources of moisture for a period of 48 hours.
- Surface may discolor in areas exposed to regular ultraviolet light.

HEALTH AND 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 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 CTM Coatings. 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. CTM Coatings assumes no legal responsibility for the results obtained in such cases. CTM Coatings 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.