



ECOPRIME CVB

SINGLE COMPONENT WATER-BASED VAPOR BARRIER SURFACE PRIMER

WATERPROOFING PRIMERS

Primer for waterproofing and acrylic coatings over cementitious surfaces

KEY FEATURES

- Forms a non-toxic water-resistant vapor barrier
- Silanized polymers absorb into concrete surfaces
- Protects and prevents concrete surfaces from forming efflorescence
- Prevents elastomeric blistering and detachments caused by vapor drive
- Improves adhesion of waterproofing and acrylic coatings over concrete substrates
- Coating turns green due to substrate water and turns transparent when cured
- Can be applied via airless sprayer, brush, or roller

APPLICATIONS

Pre-Cast Concrete
Poured Concrete
Block Concrete
Brick Surfaces

Kingfield Ecoprime CVB is a single component water-based primer formulated with modified-silane polymers that are designed to deeply penetrate concrete supports to increase the adhesion of Ecoreflect elastomeric coatings, acrylic elastomeric coatings, as well as of other liquid acrylic waterproofing coatings. Ecoprime CVB seals the surface pores, creating an integral vapor barrier, preventing the development of elastomeric blisters and detachments caused by vapor drive through the substrate.

Ecoprime CVB can be applied over fully cured concrete that is exposed to external moisture. The coating is water resistant and has excellent concrete anti-degradation properties and it prevents the formation of efflorescence on the concrete or brick surface. Ecoprime CVB can be applied to horizontal or vertical surfaces, as well as sloped coverings, terraces, balconies, eaves, flashings, and foundation walls.

Once applied, Ecoprime CVB forms a transparent coating that temporarily turns to green as it cures and is absorbed into the surface. Once Ecoprime CVB fully cures and seals out the vapor from passing through the surface, it becomes clear and is ready to be coated with Ecoreflect or other acrylic-based coatings.

Yield*	1 gallon = 265 ft ² (350 ft ² per bucket)	Single coat application
Color	Milky-Clear	
Application Temperature	40-95°F	
Curing Time	1 hour	
Storage	12 months (controlled environment)	
Packaging	1.32 gallon bucket	(4 buckets per carton = 5.28 gallons)
Shipping	20 cartons per pallet	105.6 gallons per pallet

*yield may differ depending on absorbency of substrate.

PREPARATION OF THE SUPPORT

The substrate must be completely hardened prior to application. The surface must be thoroughly clean, without debris, detaching parts, oils, or previously applied coatings. Power washing is highly recommended for all surfaces. Repair any damaged concrete and ensure that all substrates are as regular and as workable as possible and it is recommended to cover and protect anything that will not be coated prior to application.

Contact Kingfield in regard to application over other surfaces or surface treatments.

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KINGFIELD CONSTRUCTION PRODUCTS – 20 NORTH 4TH STREET, SUITE 300, MINNEAPOLIS, MINNESOTA 55401

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MIXING

Ecoprime CVB is a single component, ready to use product. Mix the product manually until reaching a clump-free homogeneous mix. Do not add water or other elements to the mixture, and do not mix it with drill mixer.

APPLICATION

Apply Ecoprime CVB in a single coat with long-nap roller, brush, or airless sprayer, taking care that the product soaks into the support and that it covers the entire surface. Missed areas may be susceptible to concentrated vapor drive through the applied coating.

DRYING TIME

Ecoprime CVB dries in about 1 hour at 70°F and 50% relative humidity.

- Drying time is influenced by relative humidity level and by temperature and may change significantly.
- Once the product is dry and clear, acrylic-based coatings may be applied.

SUGGESTIONS

- Do not apply at temperatures lower than 40°F and higher than 95°F.
- During summer season, apply the product in the cooler hours of the day, away from sunlight.
- Do not apply with imminent threat of rain, snow, or ice.

CLEANING

Wash tools with water before the product hardens.

HEALTH & SAFETY

While handling the product always use appropriate PPE. Consult the product SDS (www.kingfieldcp.com)

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