



PRIMER EP WB

DS-858-1221

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

PRIMER EP WB

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PRIMER EP WB is a two-component, fast drying, odour-free primer with water-soluble epoxy resins and a polyamide hardener. It provides excellent adhesion to new or existing concrete and is intended for use in conjunction with polyaspartic coatings as a multi-coat system.

This primer has high penetration, good water resistance, and excellent adhesion to various absorbent surfaces such as concrete and traditional cement-based mortars or plasters.

As a solvent-free primer, PRIMER EP WB is ideal for both exterior and interior use, even in enclosed areas such as cold rooms or civil and industrial applications.

Uses

- Exterior and interior use, even in enclosed areas such as cold rooms or civil and industrial applications

- As a base primer for concrete before protective coatings
- As treatment of cementitious or absorbent substrates to prevent formation of bubbles and fish-eyes in subsequent resinous coating application

Advantages

- No VOCs — better for you, better for the environment
- Superior adhesion to concrete
- Water-based and solvent-free — no solvent odours during installation
- Excellent substrate and inter-coat bond strength
- Helps avoid the formation of bubbles and fish-eyes in coating application
- Fast re-coat times — after about 2 hours

Suitable Substrates

- Concrete
- Cement Plaster

Packaging

- 12 kg, includes:
- 10 kg Part A
 - 2 kg Part B

Approximate Coverage / Consumption

~150-170 g/m²

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored off the ground in a dry area. High humidity will reduce the shelf life of bagged product.

Limitations

- DO NOT let freeze. Store between +5°C and +35°C.
- DO NOT apply to wet, cold or frozen substrates. Substrates must remain above freezing for at least 24 hours.

Cautions

Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use.

- Under normal conditions, product is not considered harmful to those handling or using.

- Wear safety eye protection and gloves when applying.
- Contact with eyes may cause irritation. Flush eyes with water for 15 Minutes, if symptoms persist seek medical attention.
- Keep out of reach of children.

4. TECHNICAL DATA



Physical Properties

Reaction to fire according to EN 13501-1:	F
Basis:	Epoxy Resins
Appearance:	Transparent Liquids
Temperature Resistance:	From -25°C to +80°C
Bond Strength:	> 2,0 N/mm ²

Working Properties

Mix Ratio:	5:1 by weight (A:B)
Working Time:	90 minutes
Dust-free:	40 minutes
Dry to Touch:	40 minutes
Minimum Re-Coat Time:	2 hours
Maximum Re-Coat Time:	24 hours
Final Cure:	7 days

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Surface Preparation

Always properly prepare surface as an open, porous surface is necessary for primer bonding. The surface must be deemed structurally and mechanically sound, clean, and dry.

Proper surface preparation is required for decorative-concrete or sealer/finish coatings. This is best achieved with shot-blasting or mechanical grinding machines using diamond heads achieving a final 30 to 80-grit

profile. Recommended surface profile of CSP-2, Reference ICRI Technical Guideline No. 03732 prior to application.

Surfaces to be coated must be free of previous coatings, sealers, grease and any other contaminants that may impede adhesion. Always check the surface for any bond inhibitors prior to application. Any loose or damaged surface layers should be removed before application. Any repairs must be addressed prior to application and should be repaired in accordance with ICRI or local standards.

Properly prepared concrete must have a tensile strength ≥ 1.4 MPa when tested according to ASTM C1583. For protection against moisture vapour or when the concrete measures 3% RH or greater, as measured using an electric hygrometer, use LATICRETE® MOISTURE VAPOR BARRIER as your base coat before applying the resin.

Mixing & Application

Product must not freeze. Combine Part A with Part B (in 5:1 ratio by weight), mechanically mix with a power drill at low speed for approximately 2-3 minutes. After mixing thoroughly, product is ready for use and does not require dilution or thinning.

Primer can be applied using roller, brush or spray. Small chip brushes may be used along the perimeter and in more difficult to reach areas.

PRIMER EP WB will typically be dry to the touch about 40 minutes after application, depending on ambient temperature, slab temperature and humidity. Subsequent resinous coatings may be applied after about 2 hours.

6. AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Europe S.r.l. a socio unico:

+39 059 535540

info@laticreteeuropa.com

For on-line distributor information, visit www.laticrete.eu.

Cost

Contact LATICRETE Europe S.r.l. a socio unico to obtain complete information and cost.

7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- DS 230.13EU: 1 Year Product Warranty

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:

+39 059 535540

technicalservices@laticreteurope.com

Technical and Safety Literature

To obtain technical and safety literature, please visit our website at www.laticrete.eu.

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product data sheets, documentation, or applicable technical documentation.