

FORCRETE.

EVERY SURFACE MATTERS

FORPRIME-EPWB

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PRODUCT DESCRIPTION

Two component water-based epoxy primer.

MATERIAL FEATURES

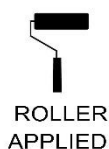
- Excellent adhesion on many substrates
- Water vapour diffusion capable
- Contains no plasticisers, nonylphenols or alkylphenols
- Physiologically harmless once fully cured

KEY INFORMATION



A : B
75 : 25
MIX RATIO

USE
NEAT



TECHNICAL DATA

Product type: Primer

User time: +20 °c = 60minutes

Appearance: Yellowish liquid

Part A:

Density: (20 °c) 1.01 g/cm³

Viscosity: (25 °c) 100mPa s

Part B:

Density: (20 °c) 1.14 g/cm³

Viscosity: (25 °c) 800mPa s

Chemical Nature: Water Based
Epoxy Resin

Mix Ratio: A : B
75 : 25

Shelf Life: 12 months

Resistance to Abrasion = ≤ AR 1

Compressive Strength (28 days)
= ≥ IRA 4

Adhesion to concrete (28 days)
= ≥ B 1.5

Consumption: 60 – 100g/m²

FORPRIME-EPWB APPLICATION INSTRUCTIONS

1. SURFACE PREPARATION

The substrate must be firm, dimensionally stable, capable of bearing loads and free of loose debris, dust, oil, grease, rubber marks and other substances that could interfere with adhesion.

The tensile strength of the surface of the substrate must be at least 1.5 N/mm² on average (smallest individual value of at least 1.0 N/mm²), and the compressive strength must be at least 25 N/mm².

Substrates must have reached their moisture balance and must also be protected against moisture penetration from the reverse side, including during use.

Concrete max. 6 m% moisture

Cement screed max. 6 m% moisture

Prepare the substrate by suitable means, e.g. steel shot blasting or diamond grinding, so that it meets the specifications listed above.

Broken out or missing areas in the substrate should be filled flush with the surface

2. MIXING INSTRUCTIONS

Add the entire quantity of the hardener (component B) to the base compound (component A).

Mix thoroughly with a slow-speed electric mixer

(approx. 300 - 400 rpm).

Pour the mixture into a separate container and mix again thoroughly.

Mix for at least 3 minutes.

Insufficient mixing is indicated by streaks forming.

3. APPLICATION

Temperature of the material, air and substrate: from min. +5 °C to max. +25 °C During the curing process, the applied material should be protected from moisture which could impair the surface and impair the adhesion. Relative humidity should not exceed 80%.

The temperature of the substrate must be at least 3 °C above the dew point temperature during application and curing. Good ventilation must be ensured so that water can be released into the air.

Apply the mixed resin generously to the surface. Distribute with a suitable tool, e.g. rubber blade, and work into the substrate with an epoxy roller so that pores in the surface of the substrate are filled.

It may be necessary to apply more than one layer.

Waiting time (+20 °C): Waiting times between coats should be at least 12 hours and max. 48 hours. In the case of longer waiting times, sand the surface treated in the previous work step and apply primer again.

Drying time (+20 °C): Foot traffic after 1 day, mechanical loading after 3 days, full loading capacity after 7 days

4. SPECIAL PRECAUTIONS

- Professional use only
 - Use only in well ventilated areas.
 - Use Nitrile rubber gloves
 - This is epoxy resin based and can cause skin irritation.
 - Do not apply below +5 °c or above +25 °c
 - Keep out of reach of children
 - Dispose of waste in accordance to current legislation
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5. CLEANING OF TOOLS

Clean tools, equipment and any splashed material immediately with water while still fresh. Take suitable protective and waste disposal measures when cleaning.