



FORCRETE.

EVERY SURFACE MATTERS

FORPRIME-EPST

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PRODUCT DESCRIPTION

Primer, bonding layer and base layer for Forcrete Microcement.

MATERIAL FEATURES

- Good adhesion on weakly absorbent substrates
- Can be subjected to mechanical loads
- Can be subjected to chemical loads
- Free from plasticisers and nonylphenols
- Physiologically harmless once fully cured

KEY INFORMATION



FROST FREE



MIX TIME
3 MINUTES



POT LIFE
20 MINS



SHELF LIFE
12 MONTHS



WEAR
GLOVES



WEAR
GOGGLES



WORKING
TEMP



ROLLER
APPLIED



TROWEL
APPLICATION

TECHNICAL DATA

Product type: Epoxy Primer

User time: 20 minutes

Appearance:

Part A: Clear liquid

Density: (20 °C) 1.12g/cm³

Viscosity: (25 °C) 870mPa s

Part B: Clear liquid

Density: (20 °C) 1.03g/cm³

Viscosity: (25 °C) 200mPa s

Mix Ratio: A : B
75 : 25

Shelf Life: 12 months

Static modulus of elasticity (28 days) = 23 N/mm²

Compressive Strength (28 days)
= 95 N/mm²

Adhesion to concrete (28 days)
= >1.5 N/mm²

Consumption:

Scratch Coat: 1kg/m² (700g/m² of pure Forprime-EPST)

Primer roller coat: 150g/m²

FORPRIME-EPST 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.

The substrate can be slightly moist but without liquid film on the surface and should not be exposed to major temperature swings (vapor pressure). In this case the primer must always be applied twice.

Concrete max; 4 m% moisture. Cement screed max; 4 m% moisture.

The substrate must be protected from exposure to moisture from underneath during utilisation.

Non absorbing substrates must be tested with regard to their suitability for coating, if necessary, a trial surface must be set up.

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.

To make Scratch Coat; follow the above instructions, then add 500g of 0.3 – 0.6 quartz sand per 1kg of mixed FORPRIME-EPST.

Insufficient mixing is indicated by streaks forming.

3. APPLICATION

Temperature of material, surroundings, and substrate: min. +8 °C - max. +25 °C.

Scratch coat: 1kg per m² of FORPRIME-EPST mixed with quartz (700g per m² of pure resin)

Apply using a trowel and blind with 0.3 – 0.6 quartz sand.

Primer roller coat: 150g/m²

Apply using a roller or brush. Blind with 0.3-0.6 quartz sand if required.

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.

Working time (+20 °C) Approx. 25 minutes

Waiting time (+20 °C) Waiting times between coats: min. 12 hours

Drying time (+20 °C) Foot traffic after 1 day, mechanical loads after 2 days and full loading capacity after 5 days.

4. SPECIAL PRECAUTIONS

- Use only in well ventilated areas.
- Use Nitrile rubber gloves
- This is epoxy resin based and can cause skin irritation.
- Do not apply below +8 °C or above +25 °C
- Keep out of reach of children
- Dispose of waste in accordance with current legislation
- Protect from frost

5. CLEANING OF TOOLS

Clean tools, equipment and splashed material immediately while fresh with solvent.

Take suitable protective and waste disposal measures when cleaning.