



FORCRETE.

EVERY SURFACE MATTERS

FORPRIME-DPM

P 01603 455962

E sales@forcrete.co.uk

W www.forcrete.co.uk

PRODUCT DESCRIPTION

Primer, bonding layer, and levelling layer for substrates with residual moisture and base layer for Forcrete Microcement.

MATERIAL FEATURES

- Substrate-tolerant up to 6 % residual moisture (CM method)
- Good adhesion on weakly absorbent substrates
- Fast curing / can be coated after a short time
- Full cure from +5 °C
- 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

A : B
71:29

MIX RATIO



MIX TIME
3 MINUTES



POT LIFE
20 MINS



ROLLER
APPLIED



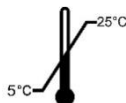
SHELF LIFE
12 MONTHS



WEAR
GLOVES



WEAR
GOGGLES



WORKING
TEMP

TECHNICAL DATA

Product type: Epoxy Primer

User time: 20 minutes

Appearance:

Part A: Clear liquid

Density: (20 °C) 1.16g/cm³

Viscosity: (25 °C) 950mPa s

Part B: Clear liquid

Density: (20 °C) 0.97g/cm³

Viscosity: (25 °C) 200mPa s

Chemical Nature: Epoxy Resin

Mix Ratio: : A : B
71 : 29

Shelf Life: 12 months

Static modulus of elasticity @ 28 days = approx. 20 N/mm²

Compressive Strength (28 days) = approx.. 60 N/mm²

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

Consumption: 120 – 150 g/m²

FORPRME-DPM 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. 6 m% moisture

Cement screed max. 6 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.

If the product is used on green concrete (water–cement ratio < 0,45) the substrate must be suitable for blasting or grinding.

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 material, surroundings, and substrate: min. +5 °C - max. +25 °C.

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.

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. 6 hours and max. 24 hours.

If waiting times are longer due to site conditions, the surface of the previous coat must be broadcast in a specific manner with fire-dried quartz sand (e.g. grain size 0.3-0.8 mm)

while fresh or sanded back until stress-whitening begins to occur before proceeding to the next step.

Drying time (+20 °C) Foot traffic after 8hours, 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 +5 °C or above +25 °C
- Keep out of reach of children
- Dispose of waste in accordance with current legislation

5. CLEANING OF TOOLS

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

Take suitable protective and waste disposal measures when cleaning.