cemseal®

Technical Data Sheet

CEMSEAL P100WB

WATER-BASED EPOXY PRIMER

DESCRIPTION

CEMSEAL P100WB is a two-component, water-dispersed epoxy primer for concrete and cementitious substrates. It forms a dense, moisture-tolerant barrier that enhances adhesion between the substrate and subsequent Cemseal flooring systems. It is low-odor, solvent-free, and environmentally friendly.

FEATURES AND BENEFITS

- Excellent adhesion to concrete
- Water-based, zero VOC, environmentally safe formulation
- Moisture-tolerant during application on matt-damp substrates
- Easy application by roller or brush
- Compatible with epoxy, polyurethane, and epoxy-cementitious systems
- Reduces dust formation on treated concrete

RECOMMENDED USES

- Primer for Cemseal MB200BC and resin-based flooring systems
- Adhesion promoter for Cemseal flooring systems
- Bonding agent for cementitious repair mortar and screeds
- Anti-dust treatment for industrial floors and warehouses
- Suitable for use on new and old concrete substrates, even when slightly damp

PRODUCT INFORMATION

Colour / Finish	Off White, Matt
Packaging	Part A : 7.5kg Part B : 2.5kg Part A + B : 10kg set
Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging at a temperature of +10°C to +30°C
Density (mixed, 28°C)	~ 1.00 ± 0.20kg/L
Material Consumption	~ 0.20kg/m^2
Number of Coats	1 - 2 coats

TECHNICAL PROPERTIES

Properties	Test Method	Typical Value
Adhesion to concrete	BS EN 1542	> 1.5 N/mm^2 (Concrete failure)
Viscosity (28°C, mixed)	ISO 2555	1500 ± 200 cps

APPLICATION INFORMATION

Ambient Temperature	+8°C to +30°C
Substrate Temperature	+8°C to +30°C; ≥ 3°C above dew point
Relative Humidity	≤ 85%
Substrate Moisture Content	Can be applied on matt-damp surfaces (no standing water)
Pot Life (at +28°C)	~ 30 min.
Recoating Time (at +28°C & 50% R.H)	14 - 18 hours

SUBSTRATE QUALITY & REQUIREMENTS

- Minimum compressive strength: 25 MPa
- Minimum pull-off strength: 1.5 MPa
- Substrate must be clean, sound, and free of laitance, oil, grease, coatings, and contaminants
- Mechanically prepared (e.g. grinding or shot blasting) to CSP 3–5 profile
- High spots ground off, and all dust removed via vacuum

MIXING

1. Shake Components A and B individually.
2. Pour both liquids into a mixing pail and mix for ≥ 2 minutes using a slow speed electric mixer (300-400 rpm).
3. Avoid air entrainment. Do not add water or solvent.

APPLICATION

- Apply Cemseal P100WB by roller, brush, or squeegee, and back-roll for uniform coverage.
- Use within pot life (~30 min @ 28 °C).
- Allow curing for 14-18 hours before applying Cemseal MB200BC or resin systems.
- For highly absorbent substrates, a second coat may be required.

CLEANING

Clean tools and equipment with clean water immediately after use. Once hardened, remove mechanically.

IMPORTANT NOTES

- Do not apply below +8 °C or above +35 °C.
- Protect freshly applied coating from rain and condensation for 24 hours.
- Ensure good ventilation during application and curing.
- Surfaces treated may slightly yellow under UV exposure; performance is not affected.

INSTALLATION SERVICE

Installation must be carried out by a licensed and trained contractor in accordance with Cemseal Industries installation guidelines and quality-assurance procedures.

Disclaimer:
The information and any recommendations relating to the application and end-use of all CEMSEAL products are provided in good faith based on CEMSEAL's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by CEMSEAL. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions.

For More Information:

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EMS - 005 104 19005

TÜVNORD TÜV NORD CERT GmbH ISO 9001 ISO 14001
QMS - 44 100 19 92 0012
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