cemseal®

Technical Data Sheet

CEMSEAL E100PU-TOP 2K

TWO COMPONENT, GLASS FLAKES REINFORCED URETHANE SEMI-GLOSS TOP COAT

DESCRIPTION

CEMSEAL E100PU-TOP 2K is a two-component glass flakes reinforced urethane semi-gloss topcoat which is fortified with high quality self-leafing glass flakes.

FEATURES AND BENEFITS

- Easy application
- Excellent colour and UV resistance
- Indefinitely recoatable
- Tough durable semi-gloss finish with good anti-abrasion resistance and weathering characteristics
- Chemically resistant
- Glass reinforced for increased impermeability
- Suitable for urban, marine or industrial environments

RECOMMENDED USE

Coloured coating for concrete substrate or structure steel in production areas, warehouses, car park decks, garages, piping, mechanical equipment, bridges, storage exteriors, chemical plants etc.

PRODUCT PROPERTIES

Pack Size	5L ready to mix set
Appearance	Coloured semi-gloss coating. Available in wide range of colours subject to MOQ
Specific Gravity	1.4 to 1.6 kg/litre mixed depending on colour
Volume Solid	58% +/- 2%
Chemical Resistance	Resistant to many chemicals. Contact Cemseal Technical for additional information.
Film Thickness	WFT : 52-216 µm DFT : 30-125 µm
Theoretical Coverage	14.5 m2/litre at 40 µm DFT per coat. Practical coverage rate can vary depending on application method, temperature, profile and porosity of the substrate.
Mixing Ratio	9:1 by volume (base to hardener)
Pot Life:	+/- 4 hours (18˚C)

SUBSTRATE REQUIREMENT AND PREPARATION

The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm^2) with a minimum pull off strength of 1.5 N/mm^2. The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, surface treatments, etc. If in doubt apply a test area first.

APPLICATION

Application Temperature	5°C to 40°C
Dew Point	The substrate and uncured floor must be at least +5 °C above dew point to reduce the risk of condensation or blooming on the floor finish.
Substrate Moisture Content	≤ 4% parts by weight
Relative Humidity	≤ 75%
Drying Time: (30˚C)	Dust Free : +/- 45 minutes Hard Dry : +/- 2 hours
Overcoating Time: (30˚C)	Min. 6 hours Max. Indefinite

Primer

Cemseal P100SL - 2 parts, solvent free epoxy primer or approved equivalent should be used prior to application of CEMSEAL E100PU-TOP 2K.

Mixing

Mix each component separately prior to thoroughly mixing together 2 to 3 minutes at medium speed. Always use a mechanical agitator. Ensure product is sued only in the proportions recommended.

STORAGE AND SHELF LIFE

Storage

CEMSEAL E100PU-TOP 2K should be stored in original manufacturer's packaging and position, at room temperature between 5°C and 25°C in a shaded, cool, dry and away from direct sun exposure. It shall also be stored at least 2 metres away from direct heat source.

Shelf Life

Expected 12 months shelf life with the above-mentioned storage conditions.

HEALTH AND SAFETY

User must refer to Safety Data Sheet before usage of this product.

BASIS OF TECHNICAL DATA

All technical data provided in this Technical Data Sheet are based on laboratory tests. Actual performance may vary due to factors beyond our control.

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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