



Mintepox[®] PU Crete HF

PRODUCT DATA SHEET

PRODUCT DESCRIPTION

Mintepox PU Crete HF is a heavy duty, trowel applied polyurethane floor topping for use on concrete and polymer modified cementitious screeds. It is designed with the highest order of durability impact, abrasion and chemical resistance.

USES

Its lightly textured finish makes the product ideal for environments such as food, beverage and chemical industries.

ADVANTAGES

- Stable to steam cleaning and hot water exposure as a thickness of 9mm
- Very high chemical resistance
- Non-tainting
- Seamless
- High abrasion resistance
- Slip resistant

TECHNICAL INFORMATION

Composition	A+B+C (epoxy + hardener + agregate)
Appearance	A Liquid – B Liquid – C Aggregates
Colour	Range of standard colours
Shelf Life	12 Months for resin and hardener (6 months for aggregates)
Storage Conditions	12 months between +10°C and 35 °C
Packaging	29,64 kg
Thickness	6-9 mm



APPLICATION INFORMATION

Atmospheric Humidity

Must be < 90%

Pot Life

15 Min (At 20°C)

Curing Time for Light Traffic

12 Hours At 20°C

Full Curing Time (Shore Hardness)

7 Days

STRENGTHS

Tensile Adhesion Strength

>1,5 (MPa) (N/mm²)

Abrasion Strength

A.R. 0,5

Shore D Hardness

75 (DIN 53505) (ASTM D 2240)

Chemical Strength

Strong against mineral oils, soda, salt, acids.

Slip Resistance

Dry >55 Wet >40

Temperature Resistance

Up to 120°C when applied at 9mm thickness (70°C at 6mm)

SURFACE PREPARATION

The substrate must be sound, structurally stable, clean, dry and free of all contaminants such as dirt, oil, grease, cement laitance, wax, varnish, old adhesive residue, paint coatings which could affect adhesion. All dust, loose material must be completely removed from all substrate types before the application, preferably by vacuum extraction equipment. All cracks and voids must be filled. Maximum moisture should be 4%. Shiny and glazed surfaces should be grinded to help a better adhesion.

APPLICATION

The three components must be 15 to 25C. Pre-mix the coloured resin first. Add the hardener and mix for 1-2 minutes. Add aggregates in stages and mix for a minimum of 3 minutes. Apply the mixture onto primed surface using a steel float then deaerate with a spiked roller in 3 minutes maximum. The cured product should be protected from damp, water and condensation for 4 days.

CLEANING OF TOOLS

Clean all tools with thinner or other industrial cleaners right after use. Cured material can only be removed mechanically.

CONSUMPTION

According to the absorbance of the surface consumption varies around 12 kg/m² at 6mm and 18 kg/m² at 9mm.

**WARNINGS**

Different batches may have colour variations. Better to use them in separate areas.

There should be a proper ventilation and medical precautions on the site as the material may exhale poisonous gas until the end of curing process. (S 38–23)

Don't leave the package cover open. (S 7)

Don't leave under the direct sunlight. (S 3/15)

Keep where the children cannot reach (S 2)

Eyes and skin should be protected during all kinds of works with chemical materials. (S 24/25)

Please ask us about any issues which are not mentioned on this data sheet. Otherwise the manufacturer can't be held responsible.