



U-Krete PC-235

Polyurethane Cement

Uses

- Polyurethane Concrete is a highly durable, seamless resinous flooring system that is designed for heavy-duty applications. It combines 2-part polyurethane technology with micro cement, aggregates and other additives to create a highly functional resinous matrix. These systems are commonly used in all types of industrial applications and can be modified to varying thicknesses, textures and cure schedules to meet the needs of a particular application. Excellent for primed concrete surfaces.
- Excellent on correctly prepared and primed steel surfaces.
- UV resistance.
- Anti-Slip.
- Anti-Scratch.

Dry: Maximum 120°C. At service temperatures above 100°C/212°F,

Environment & Health

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheets for the individual components.

Packaging

The product is supplied in full units as a 3-component pack.

Polyurethane	4 Litres
Polyurethane Hardener	4 Litre
Cement	15 KG

Curing Times

Dry to touch	4 hour
Hard dry	24 hours
Full curing	7 days
Recoat interval, Min	2 hour
Recoat interval, Max	None, See Remarks

Additional Information

Colours	Grey
Finish	Satin
Solid Content (by Volume)-%	95±5
Theoretical spreading rate	1Kg/ 1 Sqm@1mm
Flashpoint	32°C/90°F
Specific gravity	1.45 kg/lit-
V.O.C.	Max. 80gr/lit
Shelf life	1 Year (25°C / 77°F) from the time of production. Depending on storage conditions, mechanical stirring may be necessary before use.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust, and other contamination. The substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012).

Surface Preparation

The surface must be prepared and free from oils, chemicals and any other material that may affect the adhesion, such as concrete curing membranes. Concrete substrates should be at least 28 days old.

Parts A and B, then add Part C, should be mixed at low speed, thoroughly for 3 minutes. Do not use thinner, as this may affect mechanical properties.

Mixing

Stir Base A to re-disperse any settlement. Decant the required amount of Base A +B into a clean container by weight using digital scales. Add Hardener C to the Base A+B container and drain thoroughly. Mix with a slow-speed drill and helical spinner head for 60 seconds, taking care not to entrain air. Add Filler C to achieve the desired consistency. Mix until uniform.



UV Resistant



Chemical Resistant



Water Resistant



Heavy Duty

A completely clean surface is mandatory to ensure inter-coat adhesion, especially at long recoating intervals. Any dirt, oil, and grease must be removed, e.g., with a suitable detergent. Salts should be removed by freshwater hosing. To check the adequate quality of the surface cleaning, a test patch is recommended before actual recoating.

Film Thickness

It may be specified in another film thickness than indicated, depending on the purpose and area of use.

This will alter the spreading rate and may influence drying time and recoating intervals. The normal range is 1000-3000microns.

Application Method

Method	Trowel	Roller
Thinner (max. vol.)	Water	Water (5%)
Pump ratio minimum	NA	
Tip size	NA	
Tip pressure	NA	
Cleaning of tools	EX-T-2	
Indicated film thickness, dry	1000 microns	
Indicated film thickness, wet	1200 microns	

Conditions: Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 5°C above the dew point.

Storage

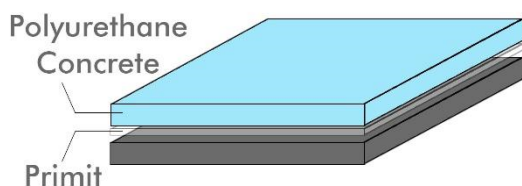
Time	12 Months in Unopened Packs.
Temperature	Storage temperature between 5°C and 35°C.
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

Remarks

Preceding Coat	Epoxy primers, PRIMIT . Epoxy Mid coat, INDOPOX .
Subsequent Coat	-

- Fast Curing: Fully serviceable after 5 hours at 10°C
- Hygienic: Cleanable to the same standard as stainless steel
- Temperature Resistance: Fully resistant specifications available up to 150°C
- Non-Tainting: Even during application in food handling areas

- Anti-Static: Independently tested to EN63140 and EN1081
- HACCP Certified: Independently approved, "food safe", flooring product
- High Chemical Resistance: From strong acids and alkalis, fats, oils and solvents
- Slip Resistant: P1 to P5 textured finishes available



Recoating and drying/curing time

Recoating intervals related to later conditions of temperature:

Temperature	Time (Hours)
25°C	8-72
20°C	12-96
15°C	24-96

Safety

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Chemstuk material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalations of possible solvent vapors or paint mist, as well as paint contact with skin and eyes. Apply only in well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions. Please follow the instructions on dangerous goods transport according to Flammable Paint UN 1263 (Part A) and Corrosive Liquid UN 1760 (Part B)



Low Maintenance



Wear Resistant



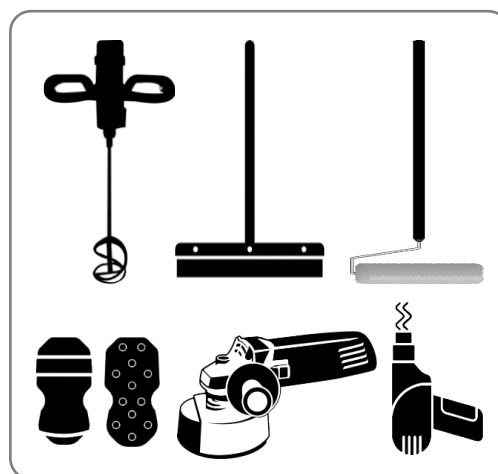
Easy Application



Environmentally Friendly

Application Equipment

The use of correct application equipment is critical, as incorrect application tools can result in poor finishing and incorrect material consumption. Always test the application equipment prior to commencing work. The following equipment is recommended for this application.



DISCLAIMER

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