



BETTATHANE PU-244

Polyurethane Sealer

Uses

Bettathane is our highly UV-resistant single-pack polyurethane coating that excels as an indoor and outdoor concrete coating. Bettathane floor coating has very strong bonding properties, is very durable and is resistant to water, oil and grease, making it perfect for any factory. Bettathane is also resistant to mould, mildew, fungus, corrosion, weathering and abrasion, making it the ideal coating for someone looking to protect their floor for years to come. Bettathane can be applied easily with a roller or brush on colour-tinted epoxy, Flake to match any design your home or workplace is going for. If you want a lasting, durable floor coating that won't yellow or change due to the environment, then our Bettathane concrete coating is perfect for your needs.



Easy Application



UV Resistant



Low Maintenance

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 Data Sheet for this product.

Packaging

The product is supplied in full units as a 1-component pack in 2 different packaging sizes.

Pack size	
Bettathane	15 Ltr 4 Ltr

Curing Times

Dry to the touch	4 hours
Hard dry	One day
Full curing	28 days
Recoat interval, Min	12 hours @ 20°C (8 hours @ 25°C)
Recoat interval, Max	96 hours @ 20°C — see Recoating and drying/curing time

Additional Information

Colours	Clear
Finish	Gloss
Solid Content (by Volume)-%	65±0.5
Theoretical spreading rate	8-10 m ² /lit
Flashpoint	28°C/83°F
Specific gravity	0.9 kg/lit
V.O.C.	Max. 350 gr/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

The concrete substrate should have a minimum compressive strength 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

Bettathane should not be applied to the floor subject to rising dampness or moisture content higher than 4%. The surface must be prepared and free from oils, chemicals and any other material that may affect the adhesion, such as concrete curing membranes.

Application Method

Method	Roll	
Thinner (max. vol.)		Ex-T-1 (5%)
Cleaning of tools	Xylene	
Indicated film thickness, dry	20-100 μm	
Indicated film thickness, wet	50-200 μm	

DO NOT SPRAY. This product must be applied by roller or brush only.

DO NOT SPRAY. Bettathane PU-244 is approved for roller and brush application only. Spray application generates respirable isocyanate aerosol and is not permitted. Cartridge and filter respirators do not protect against isocyanate aerosol.

Conditions: Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 4°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	Primit Epoxy Flake
Subsequent Coat	Bettathane

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 with freshwater. 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.



Wear Resistant



Chemical Resistant



Water Resistant



Heavy Duty

Recoating and drying/curing time

Recoating intervals are related to the following temperature conditions:

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 inhalation of possible solvent vapours 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 the ADG Code: UN 1263, PAINT, Class 3, Packing Group III, Hazchem 3Y. This is a single-pack product; UN 1760 does not apply. Consult the ADG limited quantity provisions for 4 L and 15 L retail packs.

CONTAINS ISOCYANATES. This product may cause allergy or asthma symptoms or breathing difficulties if inhaled, and may cause an allergic skin reaction. Persons already sensitised to isocyanates may react at very low concentrations. Persons with asthma, eczema or other skin conditions must not use this product. Respiratory symptoms may be delayed by several hours after exposure.

The isocyanate in this product is an aliphatic hexamethylene diisocyanate (HDI) prepolymer. Safe Work Australia applies a generic exposure standard to all isocyanates of TWA 0.02 mg NCO/m³ and STEL 0.07 mg NCO/m³. This standard covers prepolymer aerosols as well as free monomer.

Spray application requires air-supplied respiratory protection. Cartridge and filter respirators do not provide adequate protection against isocyanate

aerosol. Spray application must only be carried out by trained applicators, in controlled and ventilated conditions, with all other persons excluded from the area.

Health monitoring obligations may apply to workers exposed to isocyanates. Refer to the WHS Regulations in your jurisdiction. Read the Safety Data Sheet in full before use.

Material Set-Up

Before commencing work, ensure that your material is set up by Bettathane and is supplied ready to use as a single-pack product. Stir thoroughly before use. Do not add hardener, catalyst or any product other than Chemstuk Ex-T-1 thinner. Check that the batch number and expiry date on the container are current. Once opened, the entire contents must be used — the product cures on contact with atmospheric moisture and part-used containers will skin or gel.

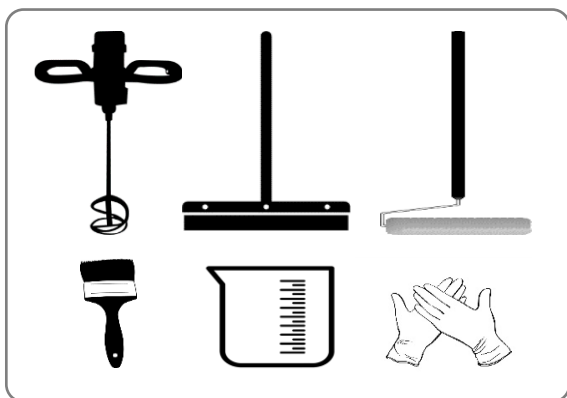
Site Set-Up

Before commencing work, ensure that your site is set up. Mark the floor according to the specification with masking tape or similar to identify what area each unit will cover. If this is not achieved (greater or less consumption than the specified amount), immediately stop and contact Chemstuk's after-sales helpline.

Surface Preparation

All laitance must be removed to expose a sound substrate and provide a dry, dust-free, open-textured surface. All hard-to-reach areas and areas around the perimeter must be prepared using handheld preparation equipment. Any damaged areas must be repaired with Quick Fill mortar.

Consult Chemstuk prior to using an alternative repair mortar. Any rough or uneven areas must be made smooth with Quick Build. Consult Chemstuk prior to using an alternative epoxy scratch coat.



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

This Technical Data Sheet is to be used as a guide only; it is NOT a specification. Chemstuk Pty Ltd has no control over the use or storage of this product and therefore does not accept liability in this regard. Any verbal advice given should not be regarded as authoritative information. This information is subject to change without notice; all applicators should ensure they have current information. This product is intended for the use only of skilled tradesmen and, where applicable, statutorily licensed tradesmen experienced and trained in the use of this product. Due to differences in substrates, application methods and local conditions, purchasers of these products must ensure that it is suitable for their specific application before using these products. While the information contained in the TDS and SDS is accurate to the best of our knowledge, Chemstuk Pty Ltd cannot guarantee that the information contained is wholly comprehensive. Subject to the provisions of the Trade Practices Act, the company's liability in relation to defective products shall be limited to replacement of the product if the product is proven to be defective.