

High Performance Polyurethane Coating

FlexSeal PU



Description

FlexSeal PU is a high performance two component aliphatic polyurethane top coat paint, with excellent UV and weathering resistance as well as excellent adhesion to most building materials.

Uses

- Recommended for marine applications, topside, deck and superstructure.
- Suitable as a finishing coat for concrete surfaces where high durability is desired.
- finishing coat for structural steel in aggressive and corrosive environments

Features

- Excellent UV resistance and overall durability properties.
- Able to achieve a film build of 100 µm in a single coat application.
- Easy maintenance coating with long term recoatability properties.
- Resistant to spillage or splashes of mild chemicals
- Abrasion, Erosion and Impact resistant.
- Applicable on both steel and concrete substrate.
- Excellent wear and abrasion resistant.
- Available in multiple colours.

Technical Properties

Volume solids	75 %
Tack free time	120 min. @ 25°C
Full cure time	7 days
Density	1.35 gm/cm ³
Dry Film Thickness Range	50 µm to 100 µm
Finish	Gloss, Semi-gloss

Standards

ASTM D2697

Compatibility

Depending on the actual exposure of the coating system, various primers can be used in combination with this product as epoxy, zinc rich epoxy, and epoxy mastic

Application procedure

Surface Preparation: Surface preparation plays a vital role in determining the durability of any coating Therefore proper care should be taken while executing it.

Application on steel

- For optimum performance, this product should be applied to a surface that has been shot blasted, and cleaned with suitable primer (ie xylene)
- In case of recoating application, underlying system should be sound and undamaged.
- Ensure that the surface to be over-coated is clean, dry, and free from dust, grease and oil, or any other surface contaminants.
- For Maximum Corrosion protection system **PolyZinc** Could be used as a primer.

Application on concrete

The concrete should be a minimum of 28 days old before any coating or toppings are applied. The surface should be free from dust, dirt, curing compound, oil etc. We recommend captive shot blasting as the most suitable preparation. Cracks and pot holes should be repaired with **HardPoxy FP**. Ensure that the moisture content in the substrate is below 5%. Priming may not be required, however for the best adhesion, prime the prepared surface with **HardPrime SF** and allow to dry. for application procedure please refer to the **HardPrime SF** data sheet.

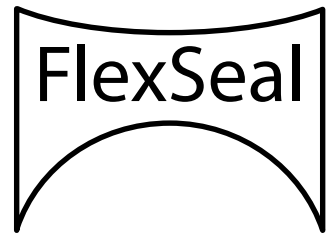
Mixing & Applying: Mix part B (resin) and part H (hardener) separately for one minute using a slow speed drill fitted with a paddle. then add part B into part A and mix thoroughly for 2-3 minutes to achieve uniform consistency. Apply immediately after mixing. **FlexSeal PU** may be applied by brush, roller or industrial sprayer. When the first coat achieves initial cure (i.e. after 24 hours) apply second coat at right angles to the first. After application the coating must be back rolled to reduce surface irregularities and improve bonding. Care should be taken to ensure that a continuous film is achieved for a non slip finish, broadcast non slip aggregate no - 8 into the first coat at a rate of 2 kg per square meter and remove excess prior to application of second coat.

Coverage:

Approximately 3.4 Square meters per kg per coat for 100 micron dry film thickness.

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Cleaning:

Clean hands and skin immediately with soap and water or industrial hand cleaner. Remove **FlexSeal PU** from tools, equipment, and mixers with xylene immediately after use.

Storage & Packing

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment for up to 6 months.

Available in 600 ml sausage

Health and safety

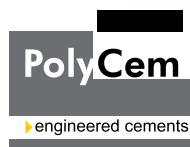
As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.



Legal Notes

The information provided in this data sheet, are given in good faith based on our current knowledge and experience of the product when properly stored, and applied by professional applicator, and under normal conditions in accordance with the mentioned recommendations. In practice under actual site condition differences are such that no warranty can be issued nor any liability can be taken, arising out of any legal relationship whatsoever. The product must be tested onsite to check its suitability for the intended application and purpose

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