

SEALBOND PU-108

POLYURETHANE COATING

Product Description

SEALBOND PU-108 Polyurethane Coating is an aliphatic two component UV Resistant high build, high solids, and attractive, satin finish top coat with excellent resistance to acids, alkalis, solvents, salts and water. It exhibits excellent flexibility, abrasion resistance, weathering resistance and flow characteristics. It may be applied as a finishing topcoat to Sealbond mortar systems and other coatings such as epoxies, inorganic zinc primers and other polyurethane coatings & cold fluid applied polyurethane waterproofing systems

Features

- Ease of application (roller or spray)
- Available in variety of colors
- Water Resistant
- UV Resistant
- Maintains thermal shock properties over (-50°C to 90°C)
- Full surface adhesion
- Can easily be repaired/retouched if damaged
- Environmental friendly product

Application areas

- Use as top coat for flooring and on properly primed steel structures in chemical processing, pulp, paper, petro-chemical, offshore and similar industries.
- Use as top coat of Sealbond Optimastic PU2KHT , Optimastic PU2KLT and PU1K60 for exterior application subject to light to heavy traffic with waterproofing properties.

Processing Data

Mix Ratio (by volume)	3 Part A: 1 Part B	
Gel Time at 30 °C	30 minutes	
Coating Interval	Min.	2 hours
	Max.	6 hours
Full Cured	48 hours	
Pot Life	30-45 minutes	
Shelf Life	12 months at room temperature	

Technical / Performance Data

Colors	Colors are available upon request
Hardness	Shore 89 ASTM D 2240
Adhesion with concrete	>1.5 N/mm ²
Solid by Volume	65%
Light-Heavy Pedestrian Traffic Time	15 hours cure time Conditions: 20°C, 50% R.H
VOC	72.4 g/L
Service Temperature	-30°C to +90°C In house Laboratory
Chemical Resistance (Splash, Spillage, Fumes only)	Acid, Alkalies, Solvents, Salts, Water ASTM D2240
UV Resistance	Excellent in concrete and steel exposure
Abrasion Resistance	Excellent Loss factor 0.1 grams at 1000 cycles
Solar Reflectance Index (SRI) (Talegrey)	81.4%
Thickness	150 microns DFT Required

Procedure & Guidelines

SURFACE PREPARATION

GENERAL

All surfaces must be thoroughly cleaned to remove dirt, grease, mill scale, loose rust, chalk, and any other contaminants that can reduce adhesion.

CONCRETE / MASONRY

Cure for at least 28 days before application. Remove loose or excess mortar, efflorescence, laitance and concrete form release compounds that reduce adhesion. Etch or abrasive blast polished or glazed concrete before use on floors.

PREVIOUSLY PAINTED SURFACES

Scrape loose, scaly, peeling paint and sand the edges smooth. If the paint is glossy, sand to dull the surface. Remove any rust and scale from ferrous metal. If mildew is present, remove completely by sterilizing the surface with mildew remover and detergent. Rinse well and allow to dry before painting.

SEALBOND PU-108

MIXING

Mix three (3) parts of volume A to one (1) part of volume B and stir well before application.

APPLICATION

Sealbond PU-108 can be applied to variety of applications.

HEAVY TRAFFIC WATERPROOFING WITH UV RESISTANT COATING

Apply one (1) coat Sealbond EPC-100 as primer. Apply two (2) coats of OPTIMASTIC PU2KHT Waterproofing Heavy Traffic as cold applied waterproofing, then apply two (2) coats of Sealbond PU-108 using roller and use brush for corner detailing applications (Refer to Method Statement for detailed application).

LIGHT TRAFFIC WATERPROOFING WITH UV RESISTANT COATING

Apply one (1) coat Sealbond EPC-100 as primer. Apply two (2) coats of OPTIMASTIC PU2KLT Waterproofing Light Traffic as cold applied waterproofing, then apply two (2) coats of Sealbond PU-108 using roller and use brush for corner detailing applications (Refer to Method Statement for detailed application).

AS TOP COAT TO MORTAR SYSTEM (3mm THICKNESS)

Sealbond PU-108 can be used as finishing topcoat to thick applications. (Contact Sealbond Technical Personnel for details).

Theoretical Coverage

Sealbond PU-108

20-24 m² per gallon at 75 microns DFT per coat

Note: Above coverage are depending on the substrates per layer

Product is manufactured based on International Environmental Regulations

SEALBOND PU-108 is a green revolution product.



Health & Safety

Please wear rubber or plastic gloves to avoid contact with skin. Please refer to MSDS for other safety information.

Product is for Professional use only.

Storage / Packaging

Sealbond PU-108 is available in gallon and pail set.

This product must be stored dry, protected from sun and rain. No waterproofing works should be performed if weather is unsuitable. These includes heavy rain and moisture

Product Limitation

Product should not be applied directly to the substrate that shows any hydrostatic pressure problems that may later cause disbonding.

Additional Information - Disclaimer

The information and in particular, recommendations relating to the application and end-use of Sealbond products, are given in good faith based on Sealbond's best knowledge and specialty on construction chemical formulations. Products are properly stored and handled in accordance with Sealbond's endorsements. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. In practice, to different materials used, as well as varying working conditions and environments beyond our control Sealbond Chemical Industries Inc. strictly recommend carrying out intensive trials to test the suitability of the product with regards to the required processes and applications. Therefore, any liability for such recommendations or any oral/verbal advice is expressly excluded unless we have acted wilfully or by gross negligence. Sealbond Chemical Industries Inc. is not liable for installation or faulty installation. It is always the responsibility of the installer/applicator/purchaser to guarantee and certify the installation of materials.

All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product awareness, copies of which will be supplied on request and is free of charge.



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