

Conseal Urethane

Concrete Sealer for Floors, Walls and Soffits

Description

A range of specially formulated one pack polyurethane sealers designed to dustproof and protect concrete floors, walls and soffits against the ingress of dirt, oil, grease and a wide range of chemicals. Also suitable for application to cork, metal and timber substrates.

Colours Available: Corn, Mushroom, Light Grey, Slate Grey, Mid Grey, Magnolia, Blue, Tile Red, British Racing Green and Clear.

Advantages

- One pack, ready for immediate use.
- Dusting eliminated together with associated health hazard.
- Hard wearing, durable and long lasting.
- Non-absorbent, easily cleaned reducing maintenance costs.
- Unaffected by water, oils and most common chemicals.
- Quick and easy application by semi-skilled labour.

Applications


- Hygienic flooring system for food preparation areas and abattoirs.
- Chemical resistant hard wearing industrial flooring system, suited to factory units, garages as well as high traffic areas.
- Dustproofing concrete floors, suppressing dust health hazards as well as protecting carpets from associated corrosive effects.

Technical Information

Coverage : Clear Pigmented	10 m ² /litre per coat 8m ² /litre per coat (Depending on substrate)
Drying Time	Average 4 hours @ 18°C - 70% relative humidity
Light Traffic	Acceptable - 12 hours
Full Cure & Chemical Resistance	6 - 7 days
Shelf Life	12 months in unopened sealed container
Flash Point	47°C (117°F)

Note: Conseal Urethane is designed to be used as a two coat system.



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Nufins, Kingston House, 3 Walton Road, Pattinson North, District 15, Washington, Tyne & Wear. NE38 8QA 13 0086-CPD-594215	
EN 1504-2 Surface protection product Coating	
Chemical Resistance	
Hydrochloric acid	No visual defects
Sulphuric acid	No visual defects
Adhesion - concrete	>1.0 MPa
Dangerous substances	Comply with 5.3

Chemical Resistance

Performance of Conseal Urethane tested by immersion at 20°C against a range of aggressive chemicals.

Acids	
Hydrochloric Acid (conc.)	Good
Nitric Acid, 25%	Fair
Sulphuric Acid, 50%	Fair
Lactic Acid, 10%	Fair
Acetic Acid, 10%	Fair
Citric Acid, 20%	Good
Alkalines	
Sodium Hydroxide, 50%	Good
Ammonia, 10%	Good

Chemical Resistance continued.

Hydrocarbon Solvents	
White Spirit	Good
Methylated Spirits	Good
Xylene	Good
Butanol	Fair
Oils	
Lubricating Oil	Good
Petrol	Good
Skydrol	Fair
Aqueous Solutions	
Sodium Hypochlorite (Bleach)	Good
Sugar Solution (saturated)	Good
Salt Solution (saturated)	Good
Ammonium Sulphate, 10%	Good

It should be noted that the ability of Conseal Urethane to resist attack is dependent on the temperature and concentration of the chemical. If in doubt contact Nufins technical department.

Surface Preparation

Ensure the surface is dry and free from laitance. New concrete should be at least 28 days old before coating. Oils and grease should be removed using Desolve. Damaged and worn areas should be repaired using Epicon F.S. Mortar. It is strongly recommended that on old or suspect floors a test patch be applied and evaluated. On highly polished/power floated floors, mechanical preparation or acid etching will be necessary.

Application Instructions

Conseal Urethane Clear should be applied by brush, soft broom or roller, spraying is not recommended. One coat is sufficient for surface dustproofing but where a more chemical resistant hard wearing surface is required, subsequent coats should be applied within 24 hours of each other.

Conseal Urethane Pigmented should be stirred before use and should be applied as a two coat system to obtain a uniform colour. The second coat should be applied as soon as the first coat is dry enough to walk on but within 24 hours of the first coat.

All equipment should be thoroughly cleaned using Nuwash and all containers resealed to prevent solidification.

Packaging

Conseal Urethane Pigmented is available in 5 litre containers, where as the clear is available in both 5 and 20 litre units.

Storage

The material has a shelf life of 12 months when stored unopened at normal room temperature.

Health & Safety

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the very latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

Limitations

Conseal Urethane is not recommended for composition tiles, Bitumen, rubber, vinyl and other plastic flooring. Conseal Urethane is not recommended for external applications.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical contacts are available to provide further information and arrange demonstrations.

