

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: Available Clear or a range of attractive colours, including blue, tile red or light/mid/slate grey.

Advantages

- One pack, ready for immediate use
- Quick & easy application by semi-skilled labour
- Dusting eliminated together with associated health hazard
- Non-absorbent, easily cleaned reducing maintenance costs
- Unaffected by water, oils & most common chemicals
- Hard wearing, durable & long lasting
- Complies with EN 1504 Part 2

Applications


- Hygienic floor sealer for food preparation areas & abattoirs
- Factory units, workshops, garages & high traffic areas
- Substrate sealing to protect carpet overlays

Technical Information

Coverage : Clear	7 - 8m ² per litre per coat*
Pigmented	6 - 7m ² per litre per coat*
Drying time	Average 4 hours @ 18°C - 70% relative humidity
Trafficable	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 Pig. is designed as a two coat system.

*Dependent on surface porosity & profile

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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	Complies with 5.3

Chemical Resistance

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
Alkalies	
Sodium Hydroxide, 50%	Good
Ammonia, 10%	Good

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



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

The chemical resistance of Conseal Urethane is dependent on the temperature and concentration of the chemical. Contact Nufins technical department for advice.

Surface Preparation

The surface to be coated should be dry, sound, free from oil, grease and loose particles. New concrete should be a minimum of 28 days old before application. Mechanical surface preparation equipment or vacuum grit blasting is recommended to achieve a rough finish. Concrete should have a direct tensile strength of $\geq 1\text{MPa}$. Where the strength or surface stability of the substrate be in doubt, then we recommend a trial area application, to assess suitability. Damaged or worn areas should be made good using a compatible repair mortar such as Nupatch Cosmetic or Epicon FS Mortar.

Application Instructions

Conseal Urethane Clear should be applied by brush, soft broom or medium nap roller. One coat is normally sufficient for most surface dustproofing applications. A second coat is required where dusting is greater or where a more hard-wearing and chemical resistant surface is required, subsequent coats should be applied within 24 hours.

Conseal Urethane Pigmented should be stirred before use and should be applied by brush or medium nap roller 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 Clear is available in 5 and 20 litre drums.

Conseal Urethane Pigmented is available in 5 litre drums.

Storage

Conseal Urethane is flammable, due precautions should be made when handling and storing this material.

The shelf life is 12 months when stored unopened in dry, normal conditions and away from direct sunlight. Protect from frost.

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

Substrate temperatures should be 3°C above the dew point.

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

Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Nufins be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

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.