

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 the 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.

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 25%:	Fair
Citric Acid 20%:	Good
Alkalines	
Sodium Hydroxide 50%:	Good
Ammonia 10%:	Good
Solvents	
White Spirit:	Good
Methylated Spirit:	Good
Xylene:	Good
Butanol:	Fair
Oils	
Lubricating Oil:	Good
Petrol:	Good
Skydrol:	Fair
Aqueous Solutions	
Sodium Hypochlorite (Bleach):	Good
Sugar Solution (Saturated):	Good
Salt (Sodium Chloride Saturated):	Good
Ammonium Sulphate (10%):	Good

Technical Information

Coverage:	Depending on substrate.
Clear:	Average 10 m ² /litre per coat
Pigmented:	Average 8m ² /litre per coat (two coat system)
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)

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. Do not return unused material to the original container.

Packaging

Conseal Urethane Clear is available in 5 and 25 litre containers.

Conseal Urethane Pigmented is available in 5 litre containers.

Storage

The material should be stored at normal room temperature.

Health & Safety

Adequate ventilation should be provided and all naked flames extinguished during application. Do not smoke during application. Gloves should be worn.

Limitations

Conseal Urethanes are not recommended for coating composition tiles, Bitumen, rubber, vinyl and other plastic flooring. Conseal Urethanes are not recommended for external applications.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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