Cemprotec Sandseal 75

Clear Lacquer for Concrete Floors

Product Overview

Single pack, solvent-based clear aliphatic polyurethane lacquer.

Uses

For the protection of concrete floors and smooth **CEMPROTEC E-FLOOR** finishes. Also, used in combination with sanded **CEMPROTEC E-FLOOR** to seal in and retain the sand to provide a slip resistant, decorative surface with excellent abrasion and wearing characteristics.

Advantages

- Single component material which is easily applied by roller or brush.
- Excellent abrasion and wear resistance.
- Further enhances the chemical resistance of **CEMPROTEC E-FLOOR.**
- Can be applied to damp but surface-dry substrates.
- Moisture triggered curing mechanism rapidly gives a tough glossy finish.

Product Description

CEMPROTEC SANDSEAL 75 is a single pack, clear aliphatic polyurethane lacquer with good light stability and chemical resistance.

Benefiting from an advanced, moisture-triggered curing mechanism, **SANDSEAL 75** can be applied to damp but surface-dry substrates, curing quickly to form a tough, glossy finish.

It is particularly suited for the protection of concrete floors and smooth **CEMPROTEC E-FLOOR**, and can be used in combination with sand-cured **CEMPROTEC E-FLOOR**, to seal in the aggregate to provide a slip resistant finish with excellent wear and abrasion resistance.

Technical Data

Property	Result
Colour, Gardner Scale	<2
Specific Gravity	1.1 at 20°C.
Solids Content	75% by weight
Viscosity	500 cps at 20°C.
Drying times (20°C @ 50%RH) Tack free Foot traffic	 Approx. 3 hours Approx. 12 hours

Mechanical Characteristics

The following data is based on 2mm of **CEMPROTEC E-FLOOR**, cured with 1.75kg/m² of quartz sand, and **SANDSEAL 75** at 6.25m²/litre:

Property	Result
Abrasion Resistance BS 8204: Part 2	Class AR1
Tensile Bond Strength (7 days) BS 8204: Part 207	2.5 MPa

Preparation

UNSANDED CEMPROTEC E-FLOOR AND CONCRETE FLOORS:

The areas to be treated must be free from all unsound material, i.e. dust, oil, grease, corrosion by-products and organic growth. Ensure that the substrate is free from standing water and that the **CEMPROTEC E-FLOOR** has cured for a minimum of 24 hours. New concrete must be at least 28 days old.

SANDED CEMPROTEC E-FLOOR:

The areas to be treated must be free from all unsound material, i.e. dust, oil, grease, corrosion by-products and organic growth. All loose sand from the **CEMPROTEC E-FLOOR** curing should be vacuumed up. Ensure that the substrate is free from surface standing water and that the **CEMPROTEC E-FLOOR** has cured for a minimum of 4 hours.

Application

For treating concrete floors and as a sealer for smooth **CEMPROTEC E-FLOOR**, apply one coat at 12m²/litre. Roller application provides the best finish although a brush may also be used, but in both instances care must be taken to entrap as little air as possible. Application by airless spray is possible but may give a more opaque finish. In areas of known exceptionally high wear, allow to cure overnight before applying a second coat, ideally within 24 hours (maximum 48 hours) as above. On sanded surfaces, apply with a long-woven pile roller from a paint tray to ensure good wetting out and provide an even coverage at a coverage rate of 6-7m²/litre.

Curing

Allow to cure for 12 hours before subjecting the area to foot traffic. Heavy trafficking of the area should only commence after a curing time of 48 hours.

Cleaning

All tools should be cleaned in xylene immediately after use.

Storage and Shelf Life

CEMPROTEC SANDSEAL 75 must be stored in closed, airtight containers as the product reacts with moisture, leading firstly to an increase in viscosity, and finally gelation. The containers should be kept cool; storage at elevated temperatures will result in a viscosity increase. Under appropriate conditions, **CEMPROTEC SANDSEAL 75** has a storage life of at least 6 months in the original sealed containers.

Packaging and Coverage

Pack Size:	5 litres
Coverage (Typical):	10-14m² per litre on smooth finishes 6-7m² per litre on sanded finishes

A 5 litre pack will cover 50 - 70m² on smooth finishes

A 5 litre pack will cover 30 - 35m² on sanded finishes

Health and Safety

Safety Data Sheets are available on request.

Application Top Tips

1. Store in closed airtight containers and avoid prolonged storage at high temperatures to prevent increasing viscosity and gelation.

2. Skin will form on the surface of part used units. Within the storage life of the material the skin can be pierced and sealer applied as recommended unless changes in viscosity or appearance have occurred.

3. Part used units can be stored upside down allowing the skin to form at the bottom of the can, enabling the sealer to be decanted as normal.

4. Overworking will entrap air and result in a milky appearance.

5. Regularly clean spray nozzles to avoid blockages.

6. On large areas mark out an area equating to the coverage indicated in the guide table, pour out the sealer in a snaking pattern before spreading and back rollering to ensure even coverage.

7. Where tape has been used to delineate areas, remove whilst **CEMPROTEC SANDSEAL 75** is still wet to leave a clean, sharp edge.

8. For internal areas and where odour is an issue, consider using **CEMPROTEC SANDSEAL WB**.

9. Low humidity delays set, allow to cure for 24 hours before subjecting to foot traffic.

10. Cold Weather Working (See separate Guide)

- Warm cold material to reduce viscosity and ease application.
- Allow to cure for 24 hours before subjecting to foot traffic.