

Protect

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JOHN LORD

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No.8 Solvented Epoxy Coating

DESCRIPTION

Protect No.8 is a two component protective and decorative epoxy based coating system for floors and walls. It is recommended for application to most structurally sound building materials including concrete, wood, metal and brickwork.

USES

Outstanding for coating floor and wall surfaces where a durable decorative and chemical resisting finish is required and where a non-dusting, easy cleaned finish is essential.

ADVANTAGES

- Chemical Resistance: Protect No. 8 offers wide ranging protection from chemical attack.
- Extremely hard wearing: offering significantly higher wear and abrasion resistance than conventional paints.
- Hygienic: hard semi-gloss finish is recommended in environments where cleanliness is of paramount importance i.e. schools, laboratories, hospitals, utilities, manufacturing and assembly plants etc.
- High strength protection: excellent substrate adhesion
- Non dusting: used as a floor coating Protect No. 8 prevents concrete from dusting.
- Appearance: wide colour range and attractive semi-gloss finish offer durability with enhanced aesthetic appeal.

TECHNICAL DATA

Maximum relative humidity:	85%
Application temperature range:	10°C to 25°C
Maximum intercoat period:	12-24 hrs depending on ambient temp.
Recommended number of coats:	2 or 3 depending on substrate porosity
Retained film thickness per coat:	average 65 microns
Temperature limit (in service):	75-80°C

Cure Times:

Touch dry:	3-5 hours
Foot traffic:	12-20 hours
Full cure:	7 - 10 days

CHEMICAL RESISTANCE

Based on a three coat application Protect No. 8 has excellent resistance to a wide range of chemicals including lubricating oils and greases, 10% solutions of Sulphuric Acid, Hydrochloric Acid, Nitric Acid, and Phosphoric Acid. Ammonia, Bleach solution, Sodium Hydroxide, most detergents and sanitizing solutions, animal fats, brine, benzene, Toluene, Petrol and Fuel oil.

Protect No.8 is not resistant to Acetic, Formic and Chromic Acids.

The above information is offered for guidance only; in service conditions can affect long-term resistance. Consultations with our Technical Dept. must be sought prior to application.

COLOUR

Protect No.8 can be supplied in most colours to BS4800 range. Special colours can be produced upon request, based on quantity.

SURFACE PREPARATION

Ensure all surface are sound, dry, and free from dust and any contaminants such as oil, grease, chemicals, rust or other paint. For new concrete, remove all traces of laitance by mechanically grinding or light shot blasting. New concrete should be fully cured and allowed to dry. Relative humidity readings of no more than 75RH units when measured with Hair Hygrometer determine sufficient cure in new concrete. Old and contaminated concrete should also be mechanically ground or lightly shot blasted to a clean profile. If further cleaning is required, detergent washing, high pressure water blasting or Hot Compressed Air Treatment may be required. When coating metal, degreasing followed by sand blasting or shot blasting gives best results, galvanised or alloy surfaces should be primed with self etch primer. For iron and steel, a primer is not normally

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needed, two or three coats of finish are sufficient, but for added protection a coat of Zinc Rich Primer may be used.

MIXING

Pre-weighed mix proportions are 3-part component; A (resin) to 1 part component B (curing agent). Initially stir component A prior to emptying entire contents of component B into resin container. Thoroughly mix by hand or preferably with a low speed drill and paddle.

For brush and roller; up to one litre of Rizistal thinners No. 1 can be added if required.

The coverage for one 4 litre pack is 40-60m² depending on substrate porosity.

After mixing, the "pot life" of Protect No. 8 depends on ambient temperature, being approx 20 hours at 15-18°C, after which the coating will thicken and eventually solidify. Kept in a cool environment, the pot life will be greatly increased, below 8°C little curing of the coating occurs, hence application below this temperature is not recommended.

APPLICATION

Dilute priming coat with approx. 10% Rizistal thinners No. 1. Apply evenly by brush or roller. Allow first coat to touch dry (approx. 4 hours)

Additional coats by brush or roller must be applied within 24 hours of previous coat. Coats applied after 24 hours can only be applied when previous coat has been lightly but comprehensively abraded.

CLEANING & GENERAL INFORMATION

Equipment should be cleaned with Rizistal thinners No. 1.

Always ensure good ventilation when applying Protect No.8 to allow evaporation of solvents.

Protect No.8 and Rizistal thinners No.1 are flammable. No naked flame and any means of combustion removed from the area.

Do not apply to substrate in which significant vapour pressure may occur.

Protect newly applied coating from dampness, condensation and water for at least 24 hours after application.

HEALTH AND SAFETY

All skin contact from Protect No. 8 should be avoided. Barrier creams should be used and applicators should always wear protective clothing including gloves, and eye protection. After contact with the skin the area should be washed thoroughly with soap and water or resin removing cream. In case of accidental eye or mouth contact, flush with water – seek medical attention immediately. Ensure adequate ventilation of the working area, if in doubt, forced ventilation is recommended.

The John Lord Health and Safety guide provides all necessary information and data in relation to Health and Safety and C.O.S.H.H (Control of Substances Hazardous to Health)

TECHNICAL SERVICE:

John Lord provides technical service and back up in all matters relating to technical specification and installation procedures.

DISCLAIMER

The information contained in this leaflet is provided as an introduction to the system and no guarantee is implied. Any specific requirements the clients may have should be discussed in detail with John L Lords Technical Department beforehand. John L Lord cannot accept any responsibility for work and the subsequent performance of their systems not controlled by their own contracting services.

John L Lord reserves the right to alter information contained in this leaflet without prior notification.

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