

Protect

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JOHN LORD

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No.2 High Build, Chemical Resistant, Liquid Resin Floor Coating

Protect No 2 is a two component, epoxy resin based floor coating with a minimum solids content of 95% providing a dry film thickness of approximately 200 microns per coat when applied at 5m² / Ltr. Protect No. 2 is suitable for foot and light wheeled traffic in a variety of industries. Designed primarily for overcoating concrete floors, a two coat application is suggested for most locations, subject to the concrete being sealed with either Protect No. 3 or 4. Additional coats of Protect No. 2 may be necessary for areas subject to frequent chemical spillages or when a slip resistant finish is required.

Protect No. 2 is formulated to be a heavy duty floor coating which has been designed to supplement John Lord's already well documented and proven Protect No. 1 floor coating. Protect No. 2 can be offered with an accelerated cured system which can be put into service after 12-16 hours cure time (foot traffic) at 16°C+ based on a 2 coat application.

The epoxy resin binder and specially selected inert fillers provide the system with excellent abrasion and wear resistance ensuring that the system can be applied with confidence to floor areas where occasional heavy trafficking exists. Protect No 2. also has excellent resistance to a wide range of acids, alkalis and solvents. Protect No. 2 contains very little solvent which ensures the high build application thus providing excellent long-term performance. Protect No. 2 is recommended for almost any industry where long-term economical protection is required e.g.: CHEMICAL PROCESSING, GARAGE WORKSHOPS, FOOD PROCESSING, PRODUCTION AREAS, BREWERIES, WAREHOUSING, ELECTRONICS, WALKWAYS, PHARMACEUTICAL PROCESSING AND RETAIL SHOWROOMS.

A special anti-slip version of the system is available which requires a 3 or 4 coat specification (including primer). The anti-slip version is achieved by broadcasting an extremely hard mineral aggregate into the first coat. Protect No. 2 anti-slip provides an effective slip resistant surface whilst maintaining its easy cleaning properties.

Protect No. 2 is colour stable and is available in BS4800 and RAL range of colours.

Protect No. 2 can be used with coloured PVA flakes to provide a highly decorative smooth finish.

Protect No. 2 is a development of John Lord's highly successful Protect No. 1 system. Experience gained in the field by our own Contracts Department has assisted considerably in the development of this system.

There is no substitute for experience both in terms of substrate preparation and application techniques. John Lord's experience in providing Chemical and Abrasion resisting finishes spans over 100 years. Our Sales Dept. will be pleased to submit estimates for applying PROTECT No. 2.

Specification

Protect No. 2 requires a water based primer/ sealer to maximise penetration and adhesion (Protect No. 3 or No. 4) followed by solvent build coats. The application of the system is normally completed at a rate of 1 coat per day, and will accept foot traffic after overnight drying at 20°C, although an accelerated version is available.

Surface Preparation

Ensure all surfaces are clean, dry, and free of oil, grease and other contamination. New concrete must be thoroughly cured and not subject to ongoing rising moisture and or osmotic activity. Concrete moisture content monitoring can be carried out using Hair Hygrometers to recommendations laid down in B.S.5325:1996 & B.S.8203:1996. John Lord can undertake such monitoring as part of any installation service. The surface of the concrete must be either mechanically ground or shot blasted to remove all surface laitance. All traces of old floor paint and or all contaminants such as general grime, oil, greases or other foreign matter can be effectively removed by mechanical means as

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described above, or by other preparation techniques such as thorough detergent washing or hot compressed air treatment. We strongly recommend consultation with the technical department of John Lord prior to commencement.

Application

Best results achieved with good quality, solvent resistant, short pile rollers such as mohair or synthetic mohair. On irregular surfaces and for priming, medium and long pile rollers are preferred. Brush application is only recommended for "cutting in" and small areas. If temperatures dictate, an addition of approximately 2% RIZISTAL No. 2 thinners can be added to the build coats, to ease application.

Properties:

Appearance - Deep Gloss
Pot Life - Up to 1 hour at 20°C, pour mixed material into shallow roller tray to reduce effect of bulk exotherm.

Spreading Rate

Sealer Primer (Protect no. 3 or 4) 6m² per litre per coat.
Build Coats (Protect no. 2) 6m² per litre per coat.

Commissioning

Foot traffic Overnight @ 20°C
Medium traffic 48 hours @ 20°C
Heavy traffic 5 Days @ 20°C
Full Chemical Cure 7 Days @ 20°C

Chemical Resistance Indicator

Protect No2 provides an effective resistant barrier to the following chemicals;
Ammonia, Caustic Solutions, Mineral Acids,
Fuel Oils, Salt Solutions, Organic Acids (Except Acetic),
Lube Oils, Solvents (aliphatic), Wine/Beer,
Mineral Oils, Solvents (aromatic)

Suitability depends upon concentration and temperature please consult the John Lord Technical Dept. for confirmation

Health and Safety

It is recommended that the clients and other site operatives be advised of Health and safety considerations when coming into contact with uncured Epoxy resin. Operatives not familiar with floor laying practices, should be prevented from venturing near storage, mixing and laying areas. However, should the Protect No. 2 system come into contact with the skin it must be removed, with either resin removal cream or by thorough washing with soap and water. Should accidental eye contamination occur, wash well with water or eye wash solution and seek medical advice. If swallowed seek medical attention. For further health and safety information on this product see our separate health & safety and COSHH documents or consult our technical service department.

John L. Lord Quality Service:

John Lord manufactures products for the protection of floors, walls, tanks, structural steelwork etc. We also have our own Contracting Department employing skilled operatives with long-term experience in the application and laying of our protective systems. Both operations are backed up by Comprehensive Technical, Advisory and Supervisory Services which are available to assist the client and Architect in drawing up specifications, planning and expediting contracts. This total control and our 100 years experience enables us to ensure quality!

Disclaimer:

The information contained in the leaflet is provided as an introduction to the system and no guarantee is implied. Any specific requirements the client may have should be discussed in detail with John Lord Technical before hand; John Lord cannot accept any responsibility for work and the subsequent performance of their systems not controlled by their own Contracting Services.

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

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