



Product Description

Uragard SC2 is single pack moisture curing concrete floor sealer based on Polyurethane resin. It penetrates and seals concrete surfaces, polymerising to form a clear film, which reinforces the cement/aggregate matrix providing an extremely hard non-dusting surface.

Uragard SC2 provides effective sealing, with chemical resistant qualities and hard wearing characteristics, to base concrete floors and structures, cementitious screeds, wall renders, and brickwork.

Key Benefits

- Provides chemical resistant film including commercial and aviation fuels and oils, improving the resistance of concrete and screeds to chemical attack.
- Cures to a comparatively thin film, which allows the profile of the concrete or screed surface to contribute significantly in providing an effective anti-slip surface, with hardwearing characteristics.
- Forms an effective moisture and vapour barrier to rising moisture in concrete floor sections.
- Simple to apply, being a one-pack system, which requires no additional additives and is easy to apply by conventional brush or roller.
- Cures quickly offering fast turn round capability.

Technical Data

John L. Lord & Son Ltd is an ISO 9001:2008 accredited company and all products are manufactured strictly to ISO quality standards.

Performance Data

Specific Gravity at 20°C:	0.89
Flash Point:	33°C
Bond Strength to Concrete:	Excellent
Temperature Resistance:	Up to 100°C
Flash Steam Cleanable:	Yes
Water Permeability:	Nil

All figures are measured and expressed under laboratory conditions: Actual performance may vary from the above values depending upon site conditions.

Physical Properties

Complies with BS 8204-6 / FeRFA Type 1, System Make-Up:

System:	Multi-coat application to suit requirements
Finish:	Extremely hard colourless gloss with excellent abrasion resistance
Spread Rate:	8 – 12 m ² /litre
Standard colours:	Transparent, slight yellowing in UV over a prolonged period

Chemical Resistance

Resistant to a wide range of acids, alkalis, oils, greases, fuels, salt solutions and some solvents. For full details consult the John Lord Technical Dept.

Curing Time

Drying and recoat time:	at 10°C	at 25°C
Minimum:	5 hours	2 hours
Maximum:	30 hours	15 hours
Full Cure:	50 hours	36 hours

Shelf Life and Storage

Uragard SC2 is a flammable liquid with a flash point of 33°C. Storage must be in a cool, dry area with good ventilation. Protect from direct sunlight. Do not expose to smoke or naked flame.

Uragard SC2 is a moisture curing polyurethane, which cures on exposure to atmospheric moisture. Once a container has been opened curing will commence.

Resealing part full containers will entrap some moisture and therefore may induce partial cure. It is therefore preferable that once opened, all the contents of each container should be used.

The product should be kept in its original unopened container until use. Under these conditions this product has a shelf life of up to 9 months.

Application Information

John Lord recommends that all products are installed by their own Contracts Department who provide a professional service with experienced Project Management supervision and skilled, trained and NVQ/CSCS approved employees.

Suitable Applications

- Factories and Warehouses
- Aircraft Hangers
- Commercial Garage Floors and Forecourts
- Concrete Structures Exposed to Salt Solutions
- Brickwork in need of Waterproofing

Substrate Suitability and Preparation

A separate technical data sheet is available on 'Substrate Suitability and Preparation'.

System Application

Apply by either brush or roller evenly over the surface. Avoid excessive application. A second coat should be applied as soon as the initial coat is dry and full solvent evaporation has occurred. Application rates will vary depending on surface profile, porosity and quality of substrate. Full penetration of the first coat is desired and this will be characterised by a darkened but matt appearance.

Statement of Responsibility

The technical data and application information within this John Lord Technical Data Sheet is provided as an introduction to the system only and may vary according to on-site or environmental conditions. As the information provided is of a general nature, no guarantee is implied and it is the responsibility of the client or user to discuss in detail with John L. Lord & Son Ltd the suitability of the product for a particular application. John L. Lord & Son Ltd cannot accept any responsibility for work and the subsequent performance of their systems that are not controlled by their own contracting services.

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