

Uragard

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S.C.2

INTRODUCTION:

Uragard S.C.2 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.

USES:

Uragard S.C.2 provides effective sealing, with chemical resistant qualities and hard wearing characteristics to; base concrete floors and structures, cementitious screeds, wall renders, and brickwork.

Areas ideally suited to this treatment include: - Factory and warehouse floors, aircraft hangers, commercial garage floors and forecourts, concrete structures exposed to salt solutions, waterproofing of brickwork.

ADVANTAGES:

- Uragard SC2 provides chemical resistant film including commercial and aviation fuels and oils, improving the resistance of concrete and screeds to chemical attack.
- Uragard SC2 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.
- Uragard SC2 can form an effective moisture and vapour barrier to rising moisture in concrete floor sections.
- Uragard SC2 is simple to apply, being a one-pack system, which requires no additional additives and is easy to apply by conventional brush or roller.
- Uragard SC2 in common with many Polyurethane systems cures quickly offering fast turn round capability.

TECHNICAL DATA:

Appearance - Clear, low viscosity liquid, upon cure - hard colourless gloss.

Specific Gravity - 0.89 at 20°C

Flash Point - 33°C

Chemical Resistance - Suitability depends upon type, concrete and temperature - please consult our technical department for advice.

Storage Life - 9 months in sealed containers.

New concrete and cement screed floors should be either mechanically ground or shot blasted to remove all surface laitance to ensure good adhesion. Similarly, power floated concrete floor should be shot blasted to open the impervious surface layer, allowing resin penetration.

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.

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.

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.

APPLICATION:

Spreading rate - 8 to 12m²/litre.

Drying -

Recoat time	10°C	25°C
Minimum	5 hours	2 hours
Maximum	30 hours	15 hours
Full Cure	50 hours	36 hours

IN SERVICE:

UV stability - Slightly yellowing over prolonged period.

Service temperature - maximum 100°C.

Abrasion resistance - excellent.

Since 1901

SURFACE PREPARATION:

Ensure that all surfaces are clean, dry, free of oil/grease and other surface contamination. Remove all oil/grease and contaminants by hot water/strong detergent pressure washing and rinse with clean water.

Floors more heavily contaminated or with weak or friable surfaces may require enclosed shot blast treatment or hot compressed air treatment either solely or in conjunction with previously described detergent wash. Please consult our technical department for further advice.

New concrete floors must be thoroughly cured, with R.H. figures of less than 75 R.H. units measured with a Hair hygrometer sealed to the concrete for not less than 72 hours, as B.S.5325: 1996 & B.S.8203: 1996.

HEALTH AND SAFETY:

Uragard SC2 is formulated to contain no free isocyanate. It must however be treated with caution. Uragard SC2 should not come into contact with skin or eyes, nor should it be swallowed. Barrier creams should be worn as well as suitable gloves and eye protection. If Uragard SC2 comes into contact with skin it should be removed with resin removing cream such as Kerocleanse Standard grade skin cleaner or Rozaklens industrial skin cleaner, followed by washing with soap and water. **DO NOT USE SOLVENT.**

Should accidental eye contact occur with Uragard SC2 wash well with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - **DO NOT INDUCE VOMITING.**

Uragard SC2 is flammable, flash point 33°C. Good ventilation is essential in the work area. Do not smoke or expose to naked flame during use. Store in closed containers.

Further information can be obtained by consulting John Lord's Health & Safety and COSHH documents.

LORD QUALITY SERVICE:

John Lord manufactures products for the protection of floors, walls, tanks, structural steelwork etc. We also have our own Contracting Dept. employing skilled operatives with long-term experience in the application and laying of our protective systems. Both operations are backed 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 enable us to ensure quality!

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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