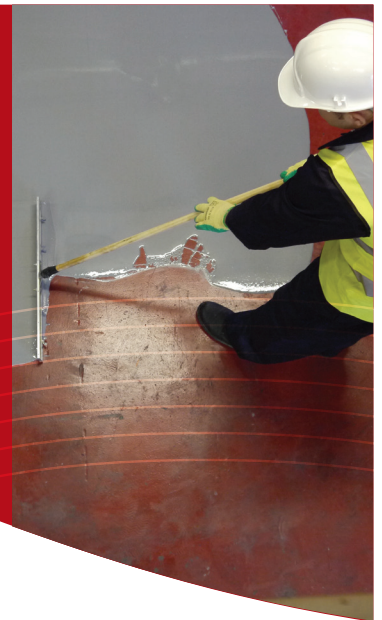


URAGARD MonoCast AntiStatic



Product Description

Uragard MonoCast AntiStatic is a heavy duty polyurethane-based resin product specifically designed for applications within a wide range of industrial environments.

This system can be used in wet and/or slippery conditions which require compatible anti-slip profiling, together with superior all-round performance including chemical resistance, wear, impact and abrasion resistance, thermal shock resistance up to temperatures of 75°C and anti static properties which comply with BS5958, EN1081 and DIN51953.

Key Benefits

- Attractive and uniform surface finish
- Three grades of anti-slip profile available
- Quick curing
- Non tainting, solvent free
- Chemical and temperature resistant
- Seamless and hygienic
- Highly durable and impact resistant
- Anti static properties
- Available as a mono colour or decorative multi-coloured quartz finish

Technical Data

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

Physical Properties

Complies with FeRFA Type 4.

System Make-Up: Uragard MonoCast AntiStatic is a multi-layered build up system. The system must be effectively connected to earth to ensure the published anti-static properties: To achieve effectiveness, it is recommended that Uragard MonoCast AntiStatic is earthed with a minimum of two earth links per work area or room.

System Details:

Finish:	Matt/semi-gloss
Thickness:	3mm to 6mm
Standard Colours:	Red, buff, terracotta, green, grey or cream. Optional multi-coloured quartz finish

Performance Data

Compressive Strength:	48-58 N/mm ²
Flexural Strength:	12-18 N/mm ²
Tensile Strength:	7-8 N/mm ²
Bond Strength to Concrete:	Exceeds cohesive strength @ 30N/mm ²
Dynamic E-Modulus:	14000 N/mm ²
E-Modulus in Compression:	3250-5000 N/mm ²
Coeff. Thermal Expansion (ASTM C531: part 4.05):	°C ⁻¹ 3.6x10 ⁻⁵
Temperature Resistance:	Up to 75°C
Flash Steam Cleanable:	Yes
Water Permeability:	Nil
Resistance to Earth:	DIN51953 <10 ⁶ ohm EN1081 <10 ⁶ ohm

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

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.

Slip Resistance

Extensive testing has been undertaken by John Lord in collaboration with the Health & Safety Executive Laboratory (HSL) to identify and address the importance of offering resin based industrial floor finishes with effective anti-slip properties: Pendulum slip test method using 4S rubber shoe.

Dynamic co-efficient of friction:

	Wet	Dry
Fine anti-slip profile:	45	65
Medium anti-slip profile:	55	76
Course anti-slip profile:	60	94

Curing Time

Floor can go into service after the following minimum cure periods at 18°C and above:

Light Traffic:	24 hours
Heavy Traffic:	48 hours
Full Chemical Cure:	48 hours

Shelf Life and Storage

The product should be kept in its original unopened container until use.

The product should be stored in weather tight conditions at temperatures between 10°C and 25°C, avoiding direct sunlight. Under these conditions this product has a shelf life of up to 6 months.

Other Products

The following products from the John Lord Group are recommended for use with Uragard MonoCast Antistatic:

- Uragard WR resin render screed

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

- Wet Processing Areas including Food and Dairy Processing
- Chemical Storage Areas
- Breweries
- Manufacturing Facilities
- Working Environments subject to undesirable static discharge

Substrate Suitability and Preparation

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

Application Temperature

Correct temperature is critical to the successful application of Uragard MonoCast AntiStatic and air temperatures should be maintained between 18°C and 23°C during the application and curing period of this product. We also strongly recommend that the application area is heated to temperatures of between 18°C and 23°C for up to 24 hours prior to application to allow the ambient and substrate temperatures to regulate before the application commences. Materials should also be kept in a warm area of 18°C minimum temperature for 12 hours prior to application. De-humidifiers must be used where high humidity conditions prevail. Ensure adequate ventilation during application.

Joints

All known expansion joints should be followed through the resin floor finish using Epiflex Jointing Mastic. If concrete movement or cracking takes place after application then reflective cracking of the topping may occur.

Note: Polyurethane systems have limited colour stability which can result in discoloration of the floor over a period of time upon exposure to UV light. Our standard mono colour range has been carefully chosen to provide a colour range limiting the extent of discolouration.

In-Service Maintenance

Good housekeeping and regular cleaning can considerably extend the service life of a resin screed floor and will enhance the floor's appearance and reduce soiling tendencies.

Suitable cleaning methods for this product include:

- Rotary scrubbing machine or hot water washing (up to 80°C) with suitable detergent products – see John Lord Cleaning Guide for further details.
- Flash steam clean is suitable on an occasional basis.
- Jet wash cleaning systems (medium pressure).

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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