



Technical Data Sheet

URAGARD DQ

Product Description

Uragard DQ is a polyurethane based decorative resin floor finish which bridges the gap between functionality and design. This medium duty, multi-layered system offers durability, chemical resistance and slip resistance; whilst also having an attractive gloss, coloured quartz finish.

Key Benefits

- Attractive gloss, multi-coloured quartz finish
- Colour stable, bespoke colours on request
- Excellent anti-slip properties
- Highly durable and impact resistant
- Seamless and hygienic
- Chemical resistant
- Temperature resistant
- Solvent free, non tainting
- Quick curing

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

Compressive Strength:	46 N/mm ²
Flexural Strength:	21 N/mm ²
Tensile Strength:	7 N/mm ²
Bond Strength to Concrete:	Exceeds cohesive strength @ 30N/mm ²
Dynamic E-Modulus:	14000 N/mm ²
E-Modulus in Compression:	3000-4500 N/mm ²
Coeff. Thermal Expansion (ASTM C531: part 4.05):	°C ⁻¹ 3.6x10 ⁻⁵
Temperature Resistance:	Constant up to 80°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.

Chemical Resistance

Resistant to a wide range of acids, alkalis, greases, fuels, salt solutions and some solvents. For full details consult the John Lord Technical Dept. Note: Light discolouration or staining may occur when exposed to some chemicals based on the nature of the spill and cleaning regime followed.

Physical Properties

Complies with BS 8204-6 / FeRFA Type 4, System Make-Up:

Primer(s):	1 or 2 coats Uragard primer
System:	1 application Uragard DQ base screed and aggregate broadcast
Sealer Coat(s):	2 coats Uragard DQ gloss sealer
Optional Variations:	Additional sealer coats to suit

System Details:

Finish:	Multi-coloured/gloss
Thickness:	3mm to 5mm

Curing Time

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

Light Traffic:	18 hours
Heavy Traffic:	48 hours
Full Chemical Cure:	48 hours

Shelf Life and Storage

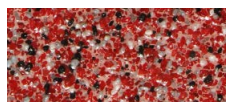
The product should be kept in its original unopened container until use.

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.

Standard Colour Range



Berry



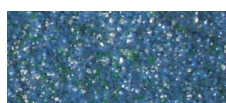
Carmine



Emerald



Granite



Marine



Oatmeal



Sand



Sky



Storm

As screen and print settings are beyond our control, these colours are an indication only. Please request product samples for accurate colour information of any of these nine standard colours.

Other Products

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

- Uragard WR resin render screed
- ASPEN Stainless steel drainage systems
- ASPEN Stainless steel wall support kerbing system

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/Dry Processing Areas including Food Processing
- Packing, Assembly and Storage Areas
- Manufacturing Facilities
- Breweries
- Hospitals
- Pharmaceutical Production Facilities
- Leisure Facilities
- Shower Rooms and Toilets

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

DQ 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.

Priming

The dry, prepared, dust-free substrate should be primed with one or two coats of Uragard DQ primer. The primer coats should be allowed to cure for 8 to 10 hours at 18°C prior to overlaying with Uragard DQ.

System Application

Once primed, the Uragard DQ base screed can be mixed and poured onto the substrate and spread to the desired thickness using a pin rake and trowel. A spike roller should be passed through the base screed until all trapped air has been released. The coloured quartz aggregate is then broadcast onto the surface until saturated and left overnight to cure. Any excess aggregate must be removed by vacuum.

Sealer Coats

Once any excess coloured aggregate has been removed from the surface, a coat of Uragard DQ gloss sealer should be applied with a de-flocked short pile roller or squeegee. A second coat should be applied in the same way. Further coats may be roller applied if a smoother finish is required.

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.

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 cleaning is suitable on an occasional basis.



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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