



Product Description

Uragard MT is a self-smoothing polyurethane resin floor screed. It has a smooth matt finish ensuring maximum ease of cleaning.

Uragard MT is a medium duty resin screed with medium temperature performance, good chemical resistance and fast application: It will provide a long-term durable and hardwearing floor surface ideal for dry production and processing environments.

Key Benefits

- Long-term durable
- Fast application/quick cure
- Good chemical resistance
- Easy to clean matt finish
- Cost effective
- Non-tainting

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 BS 8204-6 / FeRFA Type 7, System Make-Up:

Primer(s):	1 coat Uragard Primer or Epigard Fastrac Primer
System:	1 application Uragard MT
Sealer Coat(s):	None
Optional Variations:	None

System Details:

Finish:	Smooth, matt
Thickness:	3mm to 5mm

Chemical Resistance

Highly resistant to a wide range of chemicals including organic acids, alkalis, oils and certain solvents. For full details consult the John Lord Technical Dept.

Curing Time

A completed resin floor can go into service after the following minimum cure periods at 18°C and above:

Light Traffic:	16 hours
Heavy Traffic:	48 hours

Performance Data

Compressive Strength:	46.0 N/mm ²
Flexural Strength:	21.0 N/mm ²
Bond Strength to Concrete:	Exceeds cohesive strength @ 30N/mm ²
Dynamic E-Modulus:	14000N/mm ²
Tensile Strength:	7.0 N/mm ²
E-Modulus in compression:	1100 N/mm ²
Coefficient of Thermal Expansion (ASTM C531 part 4.05):	°C ⁻¹ 3.6x10 ⁻⁵
Temperature Resistance: At 3mm:	-10°C to 60°C, At 5mm: -10°C to 80°C
Flash Steam Cleanable:	Yes
Water Permeability:	Nil

Uragard MT is classified as Low Slip Potential Flooring (when dry) and Moderate Slip Potential Flooring (when wet) as described in 'The Assessment of Floor Slip Resistance: The UKSG Guidelines issue 4 / 2011'. Results were obtained from tests carried out by the Health and Safety Laboratory (HSL) and from our own internal laboratory tests using a #96 Slider.

Continued slip resistance can only be maintained if the guidelines in the HSE's STEP tool (Slips and Trips eLearning Package) are followed.

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

Shelf Life and Storage

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

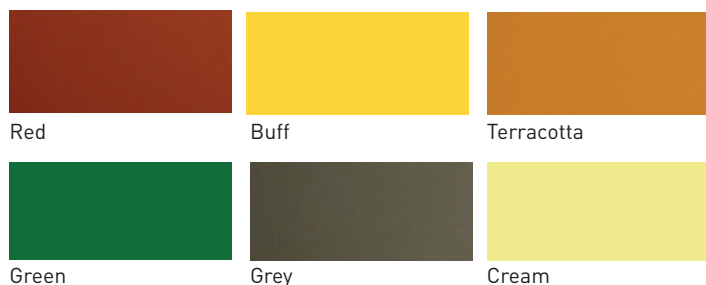
The product should be stored in weather tight conditions at temperatures between 10°C and 25°C, avoiding direct sunlight. Under these conditions this product has a shelf life of up to 6 months.

Other Products

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

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

Standard Colour Range



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 six standard colours.

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

- Dry Processing
- Warehousing and Storage
- Dry Assembly and Packing
- Pharmaceutical Production
- Chemical Storage
- Engineering Facilities

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 MT and air temperatures should be maintained between 18°C and 23°C during the application and curing period of this product. If temperatures fall below 18°C the application could become prone to installation difficulties. The application area should be 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 15°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 receive a roller applied tack coat of Uragard or Epigard Fastrac primer. More uneven substrates should receive a 1mm scratch prime coat instead. After a minimum of 8 hours curing time at 18°C the Uragard MT can be applied.

System Application

The Uragard MT should be mixed and poured onto the substrate then trowelled to a thickness of between 3mm and 5mm. A spike roller should be passed through the trowelled material to assist flow and release any trapped air.

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: The texture of Uragard MT on the finished floor surface may appear banded or slightly variable. This is a natural, visual aspect of the system, which can also be influenced by atmospheric conditions and is not defective in anyway. 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 colour range has been carefully chosen to provide a colour range limiting the extent of discoloration.

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 warm water washing (up to 60°C) with suitable detergent products – see John Lord Cleaning Guide for further details.
- Flash steam clean 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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