



Product Description

Uragard HTAS is a further development in our HT Range of heavy-duty, high performance, anti-slip polyurethane screeds. Uragard HTAS offers our highest levels of slip resistance and is an independently tested slip-resistant screed, designed to provide safety under foot in environments where this is of paramount importance.

Uragard HTAS also provides superior all-round performance with built-in chemical resistance, exceptional wear, impact and abrasion resistance, and thermal shock resistance.

Key Benefits

- High level of anti-slip
- Fast curing, single application
- Excellent chemical resistance
- Exceptional abrasion resistance
- Excellent substrate adhesion
- Temperature resistant at temperatures from -25°C to 120°C at 9mm thickness
- Non-tainting
- Optional biocide additive

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 8, System Make-Up:

Primer(s):	1 coat Uragard Primer or Epigard Fastrac Primer
System:	1 application Uragard HTAS
Sealer Coat(s):	None as standard
Optional Variations:	Uragard SLR sealer coat, back rolled finish, biocide, additive

System Details:

Finish:	White speckled, resin rich matt, anti-slip
Thickness:	9mm

Chemical Resistance

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

Performance Data

Compressive Strength:	58.0 N/mm ²
Compressive Modulus:	9850.0 N/mm ²
Flexural Strength:	14.0 N/mm ²
Bond Strength to Concrete:	Exceeds cohesive strength @ 30N/mm ²
Flexural Modulus:	2400.0 N/mm ²
Tensile Strength:	6.0 N/mm ²
Tensile Modulus:	450.3 N/mm ²
Temperature Resistance:	Constant -25°C to 100°C. Occasional spillages of up to 120°C at 9mm thickness
Abrasion Resistance:	BS8204-2 Class: AR1: Maximum wear depth; 0.07mm
Flash Steam Cleanable:	Yes
Water Permeability:	Nil

Uragard HTAS, with trowelled or back-rolled finish, is classified as Low Slip Potential Flooring (both wet and dry) 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.

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.

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

Shelf Life and Storage

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

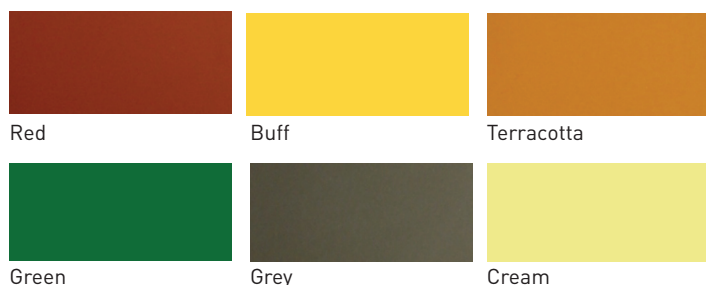
The product should be stored in weather tight conditions at temperatures between 10°C and 25°C, avoiding direct sunlight. Under these conditions this product has a shelf life of up to 6 months.

Other Products

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

- 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

- Food Processing – generally wet processes
- Brewing and Beverage
- Dairy Processing
- Pharmaceutical
- Chemical Processing and Storage
- Engineering
- Aerospace

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 HTAS and air temperatures should be maintained between 15°C and 25°C during the application and curing period of this product. We also strongly recommend that the application area is heated to temperatures of between 15°C and 25°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 12°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 primer. After approximately 30 minutes tack off time, the Uragard HTAS can be applied. Epigard Fastrac primer may also be used on semi-cured, new or damp concrete – see separate data sheet for details.

System Application

The Uragard HTAS should be mixed and trowel applied to a thickness of 9mm.

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 HTAS 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 discolouration.

In-Service Maintenance

Good housekeeping and regular cleaning can considerably extend the service life of a resin screen 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 a regular 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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