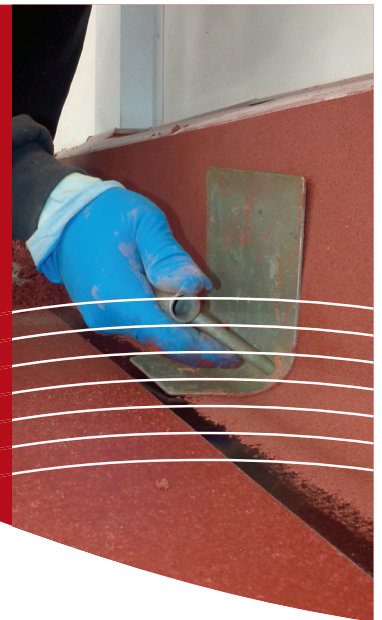


Technical Data Sheet

URAGARD WR Cove and Render Grade



Product Description

Uragard WR Cove and Render Grade is a polyurethane based resin screed system for vertical surfaces. It has been developed to compliment the range of Uragard HT resin floor systems; forming coved skirting and wall render details to protect plinths, drains, tanks, sumps and other vertical surfaces from chemical or physical attack.

Uragard WR Cove and Render Grade provides a smooth, self-sealing, hygienic finish that is easy to clean and can be colour matched to a Uragard HT floor system. Extra sealer coats can be applied to Uragard WR Cove and Render to provide a good colour match and enhanced cleaning properties. Uragard WR is especially suitable for hygiene sensitive environments such as food and beverage production and clean rooms.

Key Benefits

- Matches Uragard HT resin screeds
- Smooth, hygienic finish
- Good chemical resistance
- Good impact and wear resistance
- Non tainting
- Optional sealer coats for colour matching and easy cleaning
- 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.

Performance Data

Compressive Strength:	46 N/mm ²
Flexural Strength:	10 N/mm ²
Tensile Strength:	7 N/mm ²
Temperature Resistance:	Constant -25°C to 85°C Occasional spillages of up to 100°C at 9mm thickness
Adhesive Strength to Concrete:	Concrete failure
Flash Steam Cleanable:	Yes
Water Permeability:	Extremely low (0% when sealed)

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

Physical Properties

System Make-Up:

Primer(s):	1 or 2 coats Uragard WR tack coat
System:	1 application Uragard WR by trowel
Sealer Coat(s):	None
Optional Variations:	Uragard SC20 or Uragard SLR colour matched sealer coat(s) Biocide additive

System Details:

Finish:	Smooth/matt
Thickness:	3mm to 9mm

Chemical Resistance

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

Curing Time

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

Initial cure:	16 hours
Heavy Traffic:	72 hours
Full Chemical Cure:	72 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

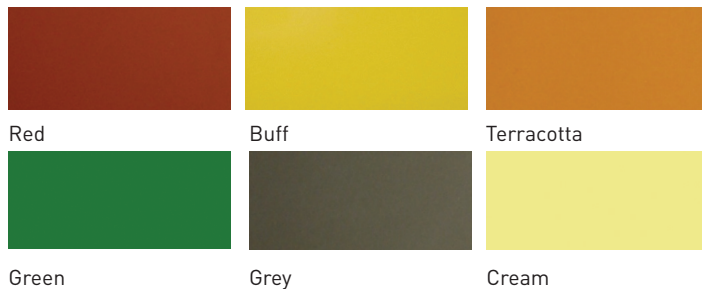
The following products from the John Lord Group are recommended for use with Uragard WR:

- Uragard HT range of floor screeds
- ASPEN Stainless steel birds beak trim
- ASPEN Stainless steel or galvanised steel expanded metal reinforcement

URAGARD WR Cove and Render Grade



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 or a bespoke colour.

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
- Brewing and Beverages
- Dairy Processing
- Pharmaceutical Production Facilities
- Chemical Processing and Storage
- Engineering
- Aerospace
- Effluent Tank Linings
- Any environment using a Uragard HT floor resin

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 WR Cove and Render Grade 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 WR primer at a rate of 0.5kg/m²: After 1 to 2 hours of tack off time the Uragard WR Cove and Render Grade can be applied. Substrates which are known to have high porosity or void content should receive an additional tack coat: applied once the initial tack coat has cured.

System Application

Mix the mortar in a horizontal pan-type mixer, for example a Casco or Stelram G8, and spread over the measured area. Close to a neat, seared finish with a steel float or coving trowel.

Sealer Coats

Optional sealer coats of Uragard SC20 or Uragard SLR may be applied by paintbrush or short pile roller after a minimum of an 8 to 12 hours cure.

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 85°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.

John L. Lord & Son Ltd reserve the right to alter information contained in this document without prior notification; it is the responsibility of the client or user to obtain the most recent issue.