



## PRODUCT DESCRIPTION

Acrigard QS is an extremely fast curing MMA acrylic resin, decorative finish floor system for applications on concrete, metal, wood, and tiled surfaces.

Acrigard QS is a trowel applied screed using a flexible binder mixed with coloured quartz aggregates to produce a screed of suitable consistency for application by pin-rake and trowel.

Acrigard QS is methylmethacrylate based resin with inert mineral fillers. It is hygienic, aesthetically pleasing in appearance, and long-term durable in aggressive working environments. The system is resistant to a wide range of chemicals and can be applied internally and externally in temperatures ranging from -25°C to 40°C. It meets current hygiene standards and requirements and is ideally suited for the food processing and pharmaceutical industries.

## KEY BENEFITS

- Range of colour blends available
- Attractive appearance
- Durable system
- Fast curing
- High bond strength to concrete
- Excellent UV resistance
- Hygienic and anti-slip 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 BS 8204-6 / FeRFA Type 4, System Make-Up:

Primer(s):	1 coat Acrigard 751
System:	1 application of Acrigard 761 binder and decorative aggregates
Sealer Coat(s):	2 coat Acrigard 771
Optional Variations:	Sealer coats to suit; Biocide additive

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### System Details:

Finish:	Satin, coloured aggregate, anti-slip finish
Thickness:	4 mm to 6 mm

## Chemical Resistance

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

## Performance Data

Compressive Strength:	> 35 N/mm <sup>2</sup>
Tensile Strength:	> 20 N/mm <sup>2</sup>
Bond Strength to Concrete:	> 2.5 N/mm <sup>2</sup>
Water Permeability:	Nil

Acrigard QS is classified as Low Slip Potential Flooring (wet and dry conditions) 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.

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:	1 hour
Heavy Traffic:	2 hours

## SHELF LIFE AND STORAGE

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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

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Light Grey



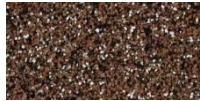
Mid Grey



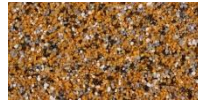
Dark Grey



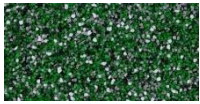
Khaki



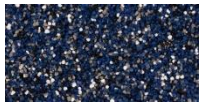
Russet



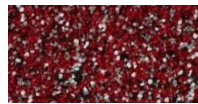
Buff



Grass Green



Midnight Blue



Office Red

*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 or a bespoke colour.*

## APPLICATION INFORMATION

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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

- Hospitals & Laboratories
- Offices & Retail
- Reception Areas
- Schools & Airports
- Communal & Amenity Areas
- Processing Areas

### Application Temperature

Air and substrate temperatures should be maintained between 12°C and 25°C during the application and curing period of this product. Acrigard QS can be applied at very low temperatures, consult John Lord Technical Dept. for advice. Dehumidifiers must be used where high humidity conditions prevail. Ensure adequate ventilation during application.

### Priming

The dry, prepared, dust free substrate receives a roller applied primer layer. If the substrate has a high porosity the surface may require an extra coat of primer.

## System Application

Once primed, the Acrigard QS base screed can be mixed and emptied onto the substrate and spread to the desired thickness using a pin rake and/or trowel. The coloured quartz screed is immediately finished by hand-held stainless steel or special plastic trowel.

Acrigard 771 sealer is applied and should be rolled in opposite directions to ensure a uniform finish. Once cured, a second coat is applied in the same manor. Further coats may be applied if 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

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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 50°C) with suitable detergent products. See John Lord Cleaning Guide for further details.

## STATEMENT OF RESPONSIBILITY

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The 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 Lord the suitability of the product for a particular application. John Lord cannot accept any responsibility for work and the subsequent performance of their systems that are not controlled by their own contracting services. John Lord reserve the right to alter information in this document without prior notification; it is the responsibility of the client or user to obtain the most recent issue.