



PRODUCT DESCRIPTION

Acrigard FK is a decorative flooring system utilising a fast curing MMA acrylic resin binder encapsulating a variety of coloured flakes. Ideally suited to high traffic retail locations, and having been designed for fast track installations, the complete flooring system can be installed with minimal operational impact.

Acrigard FK is uses methyl-methacrylate based resin with inert mineral fillers. Both hygienic and providing pleasing aesthetics it provides an excellent choice for public locations. Acrigard FK can be applied to a wide variety of substrates including concrete, wood, steel, and tiled surfaces.

KEY BENEFITS

- Good wear and chemical resistance
- Attractive appearance
- Easy to clean
- Fast curing
- High bond strength to concrete
- Excellent UV resistance
- Infinite variety of bespoke colours available

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 5, System Make-Up:

Primer(s):	1 coat Acrigard 751
System:	1 application of Acrigard 762 and flake broadcast
Sealer Coat(s):	2 coat Acrigard 771
Optional Variations:	Anti-slip finish

System Details:

Finish:	Satin, coloured flake, smooth finish
Thickness:	3 mm to 4 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:	> 45 N/mm ²
Bond Strength to Concrete:	> 2.5 N/mm ²
Tensile Strength:	> 25 N/mm ²
Water Permeability:	Nil

Acrigard FK is classified as Low Slip Potential Flooring (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.

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

Curing Time

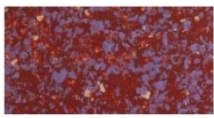
A completed resin floor can go into service after the following minimum cure periods at 18°C and above:

Light Traffic:	1 hour
Heavy Traffic:	2 hours

SHELF LIFE AND STORAGE

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.

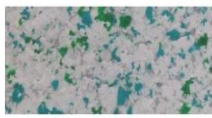
STANDARD COLOUR RANGE



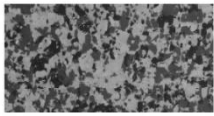
Berry



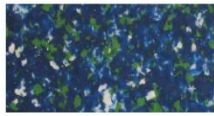
Carmine



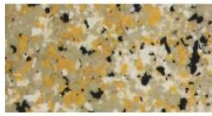
Emerald



Granite



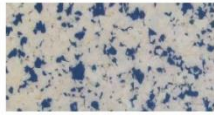
Marine



Oatmeal



Sand

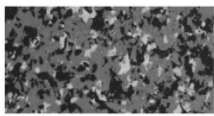


Sky

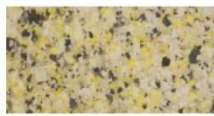


Storm

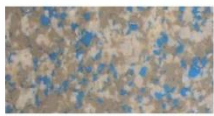
NATURAL COLOUR RANGE



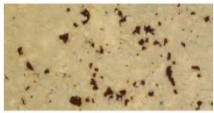
Charcoal



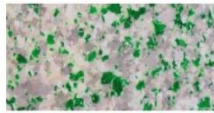
Citrine



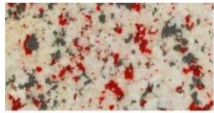
Cobalt



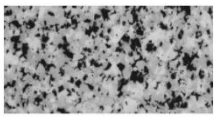
Dorado



Erinite



Ruby



Slate

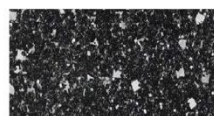


Topaz

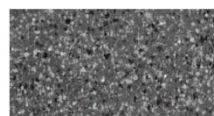
DESIGNER COLOUR RANGE



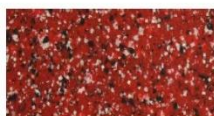
Azzurro



Celeste



Grigio



Rosso



Verde

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

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

Acrigard 762 is mixed with MMA4 Filler and poured onto the primed surface and trowel finished to a thickness of 2mm to 3mm. Flakes are manually broadcast into the self-smoothing layer to provide total surface coverage. Upon cure, any excess flakes are vacuumed from the surface.

Acrigard 771 sealer is applied and should be rolled in opposite directions to ensure a uniform finish. Once cured, the surface is sanded to flatten and remove any excess flakes, thoroughly vacuumed to ensure it is dust free before 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

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

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.