

FIBRESEAL

Glass Fibre Wall Lining System

DESCRIPTION

Fibreseal Colour Stable Glass Fibre reinforced Wall Lining System offers an extremely hardwearing, long-lasting, hygienic surface with exceptional cleaning properties. The system is reinforced with a fibreglass scrim, which provides high impact resistance and helps it withstand rigorous cleaning schedules. With an attractive smooth, high gloss finish this system is ideal for a wide range of installations, in particular hygiene sensitive environments such as food production premises, breweries, laboratories, and hospitals.

KEY BENEFITS

- Suitable for hygiene sensitive environments
- Durable, hardwearing surface
- Easy to Clean
- Impact Resistant
- Attractive glossy finish

TECHNICAL DATA

John Lord is an ISO 9001:2000 accredited company and all John Lord products are manufactured strictly to ISO quality standards.

Performance Data

Temperature Resistance:	Constant -5°C to 60°C.
Flash Steam Cleanable:	No
Water Permeability	Nil

Actual performance may vary from the above values depending on site conditions.

Physical Properties

System Make-Up:

Primer (s)	1x coat Fibreseal Primer
System	Layered applications of Epoxy Build Coat and Fibre Glass Scrim, plus a layer of Fibreglass Surface Vail Tissue
Sealer Coat (s)	Epoxy Resin Finishing Coat
Optional Variations	

System Details:

Finish:	Smooth, glossy finish
Thickness:	2-3 mm
Standard Colours:	Brilliant White & Selected Pastel Shades

Chemical Resistance

Resistant to a wide range of chemicals. For full details consult John Lord Technical Dept.

Curing Time

Finish can go into service after a 24 hour curing period at 18°C and above.

Shelf Life / 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 12 months.

In-Service Maintenance

Good housekeeping and regular cleaning can considerably extend the service life of a wall lining, will enhance its appearance and reduce soiling tendencies.

Suitable cleaning methods for this product include:

- Warm water washing (up to 60°C) with suitable detergent products – see John Lord Cleaning Guide for further details

APPLICATION INFORMATION

John Lord recommend that all products are installed by their own Contracts Department. John Lord Contracts Department provide a professional service with experienced Project Management supervision and skilled, trained and NVQ /CSCS approved applicators.

Suitable Applications

Internal walls and ceiling within:

- Food production environments
- Breweries
- Dairies
- Laboratories
- Hospitals
- Kitchens
- Public Welfare Facilities
- Prisons/ Police cells

Substrate Requirements

Fibreseal should be applied to internal walls and ceilings with the following finishes and standards:

Ideally, a sand cement render, trowelled flat and true with a light wood float finish. It can however also be applied to previously painted or stripped/ bare internal plaster and plasterboard, brick, masonry, concrete and ceramic tiles.

Substrate Preparation

Careful preparation of the substrate is essential. All loose and flaking materials should be removed by brushing and scraping and all dusty areas should be given a full vacuum. Any oil or grease contamination of the substrate should be removed by detergent washing, followed by thorough rinsing. Apart from a light dusting down, very little general preparation is required to carry out a Fibre Seal application. For specialist advice on substrate preparation, contact John Lord.

Application Technique

Temperature: Correct temperature is critical to the successful application of Fibre Seal and air temperatures should be maintained between 10°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 10°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: Apply the substrate with the Fibre Seal primer. This is applied by brush and short/medium pile roller and should be left for a minimum of 16 hours curing prior to over-coating.

System: Priming is followed by the application of the Epoxy Build Coat by a combination of rolling (using a short pile mohair roller) and brushing. This is used in conjunction with Fibre Glass Scrim to provide increased strength and flexibility. Apply the 300gram per sq. m chop strand Fibre Glass Scrim by rolling into the Build Coat. This is allowed to cure overnight for a minimum of some 16 hours. Once cured, apply another coat of Epoxy Build Coat with one layer of Fibreglass Surface Vail Tissue providing a smooth finish for the over-coating finishing coats. This again is allowed to cure for a minimum of 16 hours, then is very lightly sanded to remove knob protrusions. Apply an undercoat and topcoat of the two-pack, solvent free, epoxy Resin Finish using a brush or short/medium pile roller. Allow an overnight curing between coats.

Precautions

Appropriate PPE such as gloves, goggles and barrier cream should be worn during mixing and application of this product. Product should not come into contact with the skin or eyes, or be swallowed. Avoid inhalation.

For full health and safety hazard information, please refer to the John Lord Safety Data Sheet (SDS) for each component of this product. COSHH and SDS documents can be obtained from our Bury Office or via our website www.john-lord.co.uk.

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, the suitability of the product for a particular application or requirement beforehand. John L. Lord & Son cannot accept any responsibility of work and the subsequent performance of their systems that are not controlled by their own contracting services.

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

