New GuardCoatingsGroup

Aglobalreputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.
Rights are reserved to change and update the data without notice.
This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current

by contacting their local New Guard Coatings Group branch prior to using the coating/product.

PRODUCT DESCRIPTION

EpoSeal PRS is an low viscosity epoxy resin penetrating sealer and binder for strengthening and restoring poorly compacted or low strength screeds. EpoSeal PRS penetrates into the screed, filling voids and consolidating weakly held particles.

AVAILABLE COLOURS

EpoSeal PRS is available in Clear.

PRODUCT ADVANTAGES

- Low Viscosity
- Strengthening + Penetrating
- Easily Applied

TYPICAL AREAS USED

To be used as penetrating sealer and binder for strengthening and restoring poorly compacted or low strength screeds.

PLEASE NOTE Please contact the KDR Technical Dept for residual moisture levels above 75% RH.

CURING SCHEDULE (20OC)

	EPOSEAL PRS
WORKING TIME (MIXED)	20 MINUTES
OVER-COATING WINDOW	24 HOURS

PLEASE NOTE
At lower temperatures the above cure times will be extended + working time reduced at higher temperatures.

TECHNICAL DATA

BOND STRENGTH (BS EN 13892-8 : 2002)	> 2.0 N/mm2
VOC CONTENT	< 75 g/l
MOISTURE RESISTANCE	Up to 75% RH

SURFACE PREPARATION

To be assured of maximum adhesion and best properties from KDR's resin products, the correct surface preparation is essential. The concrete substrate should be a minimum of 28 days old, and the relative humidity at the surface should not exceed 75%. The substrate should be sound, with a minimum compressive strength of 25 N/mm2 and a minimum pull-off strength of 1.5 N/mm2.

PLEASE NOTE The concrete should not contain a water-repellent admixture. For substrates that do not align with the above requirements, please contact the KDR Technical Dept.

The surface must be clean, dry and free of contaminants such as dirt, oil, grease, coatings and surface treatments. If in doubt, apply to a test area first. Concrete substrates should be mechanically prepared using vacuum enclosed abrasive blast cleaning or diamond grinding equipment to remove laitance and previous surface treatments followed by thorough vacuuming resulting in an open textured surface. Weak concrete must be removed and repaired using recommended KDR products.

PRODUCT MIXING

Empty the PART B component into the PART A container and thoroughly mix using a slow speed mixing drill and paddle, minimising air entrainment.

Mix for a minimum of 3 MINUTES until the material forms a uniform colour and consistency. Care should be taken to ensure that any material adhering to the sides and bottom of the mixing vessel is throughly mixed in.

THIS PRODUCT IS SUPPLIED READY FOR USE.

NO ADDITIONS SHOULD BE MADE. DO NOT SPLIT PACKS.

PRODUCT APPLICATION

Apply by brush, squeegee and medium pile roller at a nominal rate of 0.50 - 5.0 kg/m2. Apply the product until a full even consistent film is formed over the surface.

PLEASE NOTE The ambient temperature of the materials, substrate and works area should be a minimum of 15°C during the application and curing period. Adverse temperatures can affect the cure, physical properties and appearance of the system.

PRODUCT SIZING + COVERAGE

EpoSeal PRS is supplied in 5.0 kg, 10.0 kg and 21.0 kg units.

Coverage is approximately 0.50 - 5.0 kg/m2 per coat, rate is dependant on surface profile, texture, porosity and substrate temperature.

SAFE STORAGE

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions.

PRODUCT SHELF LIFE

	FROM DATE OF MANUFACTURE (DOM)
PART A (BASE)	18 MONTHS
PART B (HARDENER)	12 MONTHS

IMPORTANT INFORMATION

- This product is not a wearing finish and should be overlaid within the application time window.
- EpoSeal PRS is produced by a batch manufacturing process. Despite controlled manufacturing procedures and tolerances, variations in colour or finish can occur between batches. Products from different batches should not be used in the same area or on surfaces close together.
- Synthetic resin floorings should not be laid on unmodified sand/cement screeds. A polymer modified sand/cement screed or fine concrete screed should be used.
- The applied product should be protected from other trades using Kraft paper or similar breathable material. Polythene should not be used.
- Protect the installed floor from damp, condensation and water for at least 24 hours after installation.
- The substrate and uncured floor must be kept at least 3°C above the dew point, during both application and curing, to reduce the risk of condensation or blooming on the surface.
- If the works area requires heating, before, during or after installation, do not use fossil fuelled heaters (paraffin, oil, gas) as they produce water vapour and carbon dioxide which may adversely affect the finish. Use only electric powered heating systems.
- This product is intended for use by professional and industrial users only.

CE MARKING + LABELLING

KDR RESIN SYSTEMS LTD
Unit 1 Stour Vale Road
Stourbridge, West Midlands DY9 8PP

CE | 24 | DOP 24-074-006

EN 13813 : SR-AR0.5-B2.0-IR>4.0
Synthetic resin screed material for internal use in buildings

Reaction to fire	NPD
Release of corrosive substances	SR
Water permeability	NPD
Wear resistance	AR0.5
Bond strength	B2.0
Impact resistance	IR>4.0
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

GENERAL GUIDANCE

This Technical Data Sheet is for general guidance purposes only and may contain information that is not appropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Specific installation advice can be provided upon request. Please consult our Sales Dept. to confirm that this Technical Data Sheet is the current issue.

HEALTH + SAFETY

This product is manufactured from materials intended to achieve high levels of performance as safely as possible. Specific components require careful handling and suitable safety equipment, this information is given in the product Material Safety Data Sheets (MSDS). In all cases, spillages or skin contamination should be cleaned as soon as possible, by dry wiping of the affected area, and thorough washing with soap and water. For further information please consult our Technical Dept.

GENERAL NOTES

This data sheet should be read in conjunction with the relevant MSDS, Technical Handbook and the Terms and Conditions of Sale. The information given in this Technical Data Sheet is based on tests and experience and is believed to be reliable. The information and any samples provided are to assist purchasers to determine for themselves the suitability of the product for their particular application.

Samples are provided to indicate colour and typical finish, however they are produced under laboratory conditions onto flat, prepared and primed surfaces, the finish achieved on site may differ due to substrate, site conditions and application techniques.

Any specification or advice provided by the company, it's representatives or agents, is based on the information supplied by the purchaser. The company cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. Nor can the company be accountable for composite systems howsoever they are put together, and independent advice should be sought. Some materials used in this product may be derived from natural sources. As such some variation may occur. Variations in substrate and prevailing site conditions may also contribute to variation in finish and colour.

E&OE