



REF : RPUES 2025/02

# Resin Paint Epoxy Screed

## DESCRIPTION

Resin Paint Epoxy Screed is a three-pack , heavy-duty epoxy resin screed, laid from 4mm to 6mm nominal thickness.

Resin Paint Screed Epoxy offers good chemical resistance, high compressive and flexural strengths and high impact resistance. Resin Paint Epoxy Screed will withstand aggressive cleaning methods including thermal shock from steam cleaning and high pressure washing.

## ADVANTAGES

- High compressive strength
- Excellent adhesion
- Impact resistance
- Low odour and solvent free
- Excellent slip resistance with the inclusion of selected aggregates
- No shrinkage on curing
- Excellent high gloss finish

## RECOMMENDED USES

- Engineering and manufacturing
- Food factories
- Engineering workshops.
- Automotive & aviation areas.
- Factory units.

## PRODUCT INFORMATION

| System thickness (dry)  | Solids content by weight | Pack sizes | Pack make up                             | Shelf life                     | Storage  |
|-------------------------|--------------------------|------------|--|--------------------------------|--|
| 6mm to 9mm in thickness | 100 %                    | 28.96kg.   | 1 X Base<br>1 X Hardener<br>1 xAggregate | 12 Months<br>(Base & Hardener) | Keep out of direct sunlight.<br>Store in a dry place, not below 15°C |

## DRYING TIMES & COVERAGE RATES at 20°C

| Coverage rate                               | Pot life               | Application temperature | Light traffic | Full traffic | Full chemical cure |
|---|------------------------|-------------------------|---------------|--------------|--------------------|
| 28.4 kg. unit will cover<br>2.2 sq m at 6mm | 30 Minutes from mixing | 5°C - 25°C              | 24 Hours      | 72 Hours     | Up to 7 Days       |

## Specification

Product : Resin Paint Epoxy Screed

Finish : Light textured coloured finish

Thickness : 4-6mm

Colour : See colour chart

## Products required for this system

Prime : Resin Paint Primer / TC / DPM

System : Resin Paint Epoxy Screed at required thickness

Surface Seal : Resin Paint HB

## Preparation

New Concrete Floors: New concrete must be clean, sound, dry and fully cured and surface laitance removed preferably by enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm<sup>2</sup> is required.

Existing Concrete Floors: Remove all dirt, oil, grease or other surface contaminants by enclosed shot blasting, scarification or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing. Local repairs should be carried out using **Resin Paint concrete repair**

Resin Paint HB Clear SF can also be applied to existing coatings, to wood, and other cementitious screeds which must be clean and sound with an appropriate mechanical key for adhesion.

## Application

Pre-mixing of the Part A coloured liquid component is essential to ensure any pigment settlement is reincorporated. Empty both Part A coloured base and Part B hardener into a rotary drum mixer and mix for a minimum of 2 minute then slowly add the aggregate component in stages, mix for a minimum of 2 minutes until a lump free consistency is obtained.

**Never mix by hand. Do not split packs.**

Apply the material, utilising screeding bars or screed box where appropriate. Place material by roughing out before compaction Ensure good compaction before finishing with a stainless steel trowel or chemically resistant plastic float. Do not scrape the sides of the mixer tub on to the floor surface as this can result in patches of fines. Once the Resin Paint Epoxy Screed has cured the application of a resin seal coat system is recommended to reduce the risk of staining and dirt retention, thereby ensuring optimum ease of cleaning: The ambient temperature of the substrate and works area should be a minimum of 15°C during the application and curing period, if not adhered to this can adversely affect the cure, colour and appearance of the system. Materials and substrate temperature must be above 10°C.

## Category Guide

FeRFA Category : 8

## Technical Information

The following figures are obtained from laboratory tests and our experience with this product .

|                           |  |
|---------------------------|--|
| Slip Resistance           | Dry > 60   |
| Method BS7976 pt1-3 2002  | Wet Please consult Resin Paint   |
| Abrasion Resistance       | n/a  |
| Method BS8204 /ASTM D4060 |  |
| Temperature Resistance    | Tolerant of temperatures of up to 80°C   |
| Chemical Resistance       | Good Chemical Resistance<br>Consult Resin Paint on specific materials                          |
| Compressive Strength      | 70N/mm <sup>2</sup>  |
| Flexural Strength         | 30N/mm <sup>2</sup>  |
| Tensile Strength          | 24N/mm <sup>2</sup>  |
| VOC                       | 50 g/l<br>Calculation based on a full mixed unit   |
| Life Expectancy           | 8 years plus<br>Subjected to Industrial Traffic<br>Resin Paint terms and conditions will apply |

## Maintenance and Cleaning

Resin Paint recommends that Resin Paint Epoxy Screed should be cleaned with a regular industrial cleaning regime with a floor scrubber utilising Industrial Floor Cleaner or similar with dirty water being removed. Isolated localised cleaning can be carried out. All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Please refer to the Resin Paint, Guide to Cleaning of Resin Floors

## Health and Safety

Resin Paint Epoxy Screed is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by Resin Paint Limited, or its agents is based on the information supplied by the purchaser. Resin Paint Limited cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents. Some materials are derived from natural sources. As such some variation may occur. Site conditions may also contribute to variation in finish.