

## TECHNICAL DATA SHEET

[www.regalfloorpaint.co.uk](http://www.regalfloorpaint.co.uk)

### 2-Pack Epoxy Floor Sealer (First Coat)

#### Product Description & Recommended Use

- Economical long-term protection.
- Excellent penetration into concrete and non-ferrous metal substrates.
- Trouble-free application.
- Excellent durability in a marine atmosphere.
- The ideal base for Regal 2-Pack Epoxy Floor Paint (Top Coat) to give a tough finish with long-lasting abrasion and impact resistance.
- Also accepts urethane, polysiloxane or acrylic topcoats.
- Recommended for heavy-duty commercial and industrial areas.

Designed for application to concrete and non ferrous metals, Regal 2-Pack Epoxy Floor Sealer (First Coat) gives an ideal base for our Regal 2-Pack Epoxy Floor Paint (Top Coat) or acts as a sealer coat for bare concrete floors.

When used in conjunction with the topcoat, the Regal 2-Pack Epoxy Flooring System is incredibly durable and hard-wearing, making it ideal for use on areas that will be receiving heavy traffic, such as vehicles and trucks.

The Regal 2-Pack Epoxy Flooring System gives excellent protection against water, solvents, acids, alkalis and salts; with a tough finish and long-lasting abrasion and impact resistance.

Resistance Guide		
<i>Environment</i>	<i>Splash and Spillage</i>	<i>Fumes and Weathering</i>
Acid	Fair	Good
Alkaline	Excellent	Excellent
Salt Solution (Acidic)	Excellent	Very Good
Salt Solution (Neutral)	Excellent	Excellent
Salt Solution (Alkaline)	Excellent	Excellent
Water	Excellent	Excellent

Typical Uses	
Warehouse Flooring	Manufacturing Plants
Factory Flooring	Engineering Works
Chemical Plants	Automotive Garages
Refineries	Showroom Flooring
Offshore Platforms	Breweries
Pulp and Paper Mills	Kennels & Catteries
And other flooring applications requiring durability and chemical protection	

#### Key Benefits

- Excellent Penetration into Concrete and Non-Ferrous Metals
- Cross-Links with Regal 2-Pack Epoxy Floor Paint (Top Coat)

Complies with all current legislation at the time of writing.

## TECHNICAL DATA SHEET 2-Pack Epoxy Floor Sealer (First Coat)

Dry Film Appearance	Matt finish
Substrates	Concrete and non-ferrous metals
Components	2 (Resin and Hardener/Activator)
Curing Mechanism	Solvent release and chemical reaction between components
Mixing Ratio (by Volume)	Resin 4 parts: Hardener/Activator 1 part
Induction Time	10 minutes (at 20°C)
Pot Life	3 hours at 20°C (pot life is dependent on temperature and quantities mixed)
Spreading Rate	5-7m <sup>2</sup> per litre at 125µm
Touch Dry @20°C	12-16 hours
Recoating Time @20°C	24 hours
Hard-Drying Time	48 hours
Full Cure	7 days
Typical Wet-Film Thickness	180µm per coat
Typical Dry-Film Thickness	125µm per coat
Solids by Volume	63% (ASTM D2697) ±3%, dependent on colour
VOC Information	22% by weight (190g/kg)
Specific Gravity	1.68 kg per litre (mixed product)
Application Temperature	Minimum 5
Application Method	Airless spray, conventional spray, roller or brush
Thinners	Standard Thinner
Flash Point	Resin 36°C; Hardener/Activator 33°C (Closed Cup)
Pack Size	5 litres (Resin 4 litres: Hardener/Activator 1 litre); 20 litres (Resin 16 litres: Hardener/Activator 4 litres)
Shelf Life	12 months (when stored indoors, unopened, in the original containers at 5-30°C)

### Recommendations following application of this product

- Do not park vehicles or place heavy machinery/equipment onto the floor for a minimum of 48 hours.
- When used in conjunction with Regal 2-Pack Epoxy Floor Paint (Top Coat), do not get the floor wet for a minimum of 7 days as this will cause bloom (discolouration).

Complies with all current legislation at the time of writing.