

# TECHNICAL DATA SHEET

## PROMINENT 2 PACK FLOOR EPOXY

Date: January 2024



THIS SUPERCEDES ALL PREVIOUS PUBLICATIONS

### PRODUCT DESCRIPTION

Two pack water borne epoxy enamel with exceptional toughness for interior use only.

### INTENDED USES:

1. Medium traffic floor coating - workshop and garage floors.
2. Squash court walls where toughness is a requirement.
3. Dairies, abattoirs and cold rooms where a seamless, odourless and steam resistant coating is required.
4. Can be used as an intermediate coat between Alkyd Enamel and PROMINENT PAINTS 2 - PACK POLYURETHANE FLOOR COATING.

### FEATURES:

1. Water resistant can withstand water permanently.
2. Mild solvent and petrol resistant.
3. Good adhesion to sound, previously painted surfaces, including solvent based epoxies.
4. Can be overcoated with paint systems with both mild and strong solvents.
5. Low VOC, reduces the odour associated with painting indoors.

### PRODUCT INFORMATION:

Appearance:	Medium sheen.
Colours:	White (Light yellow hue when mixed), Grey and Green. Clear Tint base to tint most of the colours on the tint system.
Solids:	39% mass and 26% by volume (mixed product).
Density:	± 1, 23 Kg/litre.
Recommended Wet Film Thickness:	231µm per coat.
Recommended Dry Film Thickness:	2 x 60µm = 120µm.
Spreading rate:	6 - 8m <sup>2</sup> /litre dependent on surface texture and porosity.
Viscosity at 23°C:	95-110Kµ.
Flash point:	Non-flammable.
Calculated maximum VOC:	140g/L maximum for White only.
Respecting the environment:	Low VOC. Dispose of excess product and containers in a responsible manner without harming the environment.

This product is manufactured under strict SABS ISO 9001:2015 quality standards.

### STORAGE:

Keep containers properly sealed. Store away from direct heat, sun and severe cold in a place with adequate ventilation.

### PACKAGING:

4Lt Base/Product + 1Lt Catalyst = 5Lt

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### APPLICATION DETAILS:

Mixing:	4 Parts base to 1 Part catalyst by volume. Mix base and catalyst separately with flat paddle for 3 minutes, before adding the catalyst to the base, and mix well for another 3 minutes with a flat paddle. Allow to stand for 5 minutes before application.
Method:	Roller or brush (Short woven pile).
Thinning:	Not recommended.
Cleaning:	Soap and water when wet.
Conditions:	Temperature between 5°C and 40°C. Relative humidity of less than 85%, preferably between 10:00 and 16:00.
Drying time:	Touch dry - 2 hours, Hard dry - 24 hours, Full hardness - 7 days.
Recoating time:	18 hours.
Requirements:	Two to Three coats on new work.
Pot life:	3 hours.

### SURFACE PREPARATION

Surfaces must be sound, grease free, clean and dry (moisture content below 15%) before painting. Plaster sand to comply with SABS 1090 requirements. Topping on floors must have a minimum thickness of 15mm, free from soft and friable material and comply with a minimum strength of 32 MPA.

#### New work:

1. Steel: Apply 1 coat Prominent Paints Machinery Primer Zinc Phosphate or Prominent Paints Etch primer.
2. Fibreglass: Abrade, wash with GP Cleaner Diluted 1:10 with water and apply directly.
3. Concrete: Wash surface with Prominent Multi Surface Etch Cleaner diluted 1:1 with water to etch surface. Neutralize Prominent Multi Surface Etch Cleaner by washing the surface with Prominent Paints General Purpose Cleaner diluted 1:10 with water and then rinse thoroughly with clean water, apply directly when the surface is dry and the moisture content is 15% or below.
4. Steel trowelled concrete: Wash surface with Prominent Multi Surface Etch Cleaner diluted 1:1 with water to etch surface. Neutralize Prominent Multi Surface Etch Cleaner by washing the surface with Prominent Paints General Purpose Cleaner diluted 1:10 with water and rinse thoroughly with clean water and apply directly when the surface is dry and the moisture content is 15 % or below.

#### Redecorating:

1. Sound existing TWO-PACK FLOOR EPOXY: Sand with P80 grit sand paper, wash, rinse and when dry recoat.
2. Sound existing STOEP ENAMEL: Sand with P80 sandpaper to a matt finish. Wash with Prominent General Purpose Cleaner and water diluted 1:10 with water, rinse with clean water allow to dry and apply directly.
3. Existing paint in poor condition: Strip down and treat as new work.

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### LIMITATIONS:

1. The low VOC compliance is applicable on White only for batches manufactured from 1 January 2011 onwards.
2. Cannot withstand UV rays - interior use only.
3. Base and catalyst requires thorough mixing for 3 minutes separately first and when added together to ensure a good application.
4. Long curing time limits when used for workshop floors and required to walk within 24 hours after application.
5. Limited standard colour range but can be tinted to most colours in the Prominent Paints tint system.
6. High humidity and cold temperatures will lengthen drying time.
7. Limited resistance to acids.
8. When over coated with PROMINENT PAINTS 2-PACK POLYURETHANE FLOOR COATING, allow 4 days drying time before the application.
9. Moisture level must be below 15%.
10. Sheen and colour variance can be visible due to variable film thickness and/or number of coats applied and if the product has been over tinted.
11. Not recommended for tinting with Universal Stainers.
12. The standard white colour will not be as white as white acrylic based coatings. The 2 Pack Floor Epoxy White has a slight yellow undertone.

### SAFETY PRECAUTIONS:

1. Keep out of reach of children.
2. Ensure to maintain good ventilation during application and drying process.
3. In case of skin contact, wash with soap and water or a recognised skin cleaner. Avoid contact with eyes. In case of contact with eyes rinse immediately with running water and seek medical advice.
4. If the product is ingested drink plenty of water or milk. Do not induce vomiting at any time. Seek medical advice.
5. Refer to the Material Safety Data Sheet (MSDS) for detailed information about the product and transportation and classification criteria. MSDS is available on [www.prominentpaints.co.za](http://www.prominentpaints.co.za) or from Prominent Paints Customer Service Department.
6. To avoid any risk of spillage, always transport in a secure upright position.

### TINT BASE:

#### Characteristics:

1. The tint base containers are only filled to levels which are specific for each tint base to allow the calculated volume of colourant to be added in order to achieve the volume indicated on the container after tinting.
2. Tint bases and colourants are unfinished products which should not be used on their own.
3. Only once the prescribed colourant is added to the specific tint base will the finished product comply with the technical features and related information as set out in this TDS.
4. The calculated maximum VOC compliance to < 16g/L is only applicable to White and not tinted product.

#### Product Information:

**Colourant to be used:** Prominent Paints colourants are specifically formulated for use with Prominent Paints Universal Stainer tinting system, which only uses Prominent supported formulations on Formula Pro software.

**Tint Bases:** White and Clear Tint Base.

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### DISCLAIMER:

The information contained herein is given in good faith and is meant merely as a guide for the specifier or user. It is gained from results obtained from our experience and tests carried out under controlled conditions. No warranty/guarantee is implied since the conditions of use, application method, substrate and cleanliness of the substrate are beyond Prominent Paints control. For a surface specific specification contact Prominent Customer Service Department for assistance. This issue supersedes all previous publications.

Important Note; Technology may change with time, necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used for reference. Prominent Paints Technical Data Sheets are available on [www.prominentpaints.co.za](http://www.prominentpaints.co.za) or from Prominent Paints Customer Service Department.

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Reg. No. 1997/006763/07