

TECHNICAL DATA SHEET

PROMINENT 2 PACK POLYURETHANE FLOOR COATING

Date: May 2024



THIS SUPERCEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

Prominent Paints 2 Pack Polyurethane Floor Coating is a two-component solvent borne polyurethane enamel for interior and exterior use.

INTENDED USES:

1. Floor coating where medium abrasion resistance is required.
2. Coating for fibreglass sheeting.
3. Interior wood and for interior or exterior non-ferrous and correctly prepared and primed ferrous metal, fibreglass, cement or concrete surface where resistance to solvents, acids and abrasion is required.

FEATURES:

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| 1. UV resistant | Can be used as exterior coating. |
| 2. Abrasion resistant | Outperforms conventional decorative coatings. |
| 3. Water resistant | |
| 4. Chemical resistant | Withstands diluted acids, alkalis and solvents. |

PRODUCT INFORMATION:

Appearance:	High Gloss.
Colours:	Clear, White, Green and Sea Grey. Clear Tint Base to tint most of the colours on the tint system.
Solids:	± 52.6% by mass and ± 49.4% by volume (mixed product).
Density:	1,31kg/litre.
Recommended Wet Film Thickness:	71µm.
Recommended Dry Film Thickness:	2 x 35µm = 70µm.
Spreading rate:	4 - 6m ² /litre dependent on surface texture and porosity.
Viscosity at 23°C:	65-75Kµ.
Flash point:	37°C
Respecting the environment:	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 the base and catalyst separately with flat paddle for 3 minutes, before adding the catalyst to the base. Mix the base and the catalyst well together until a homogeneous mixture is obtained with a flat paddle. For the clear 2 Pack Polyurethane Floor Coating, mix the base and the catalyst <u>until a clear homogeneous mixture is obtained.</u>
Method:	Allow the mixture of base with catalyst to stand for 15 minutes before use Brush, Roller (White Mohair for smooth surfaces and short to medium woven pile on rough surfaces).
Thinning:	Roller, Brush ready to use. Spray 20% maximum dilution with Lacquer Thinners.
Cleaning:	Lacquer Thinners.
Conditions:	Temperature between 10°C and 40°C. <u>Do not use at temperatures below 10°C or when the relative humidity is greater than 85%, preferably between 10:00 and 15:00.</u>
Drying time:	Pot life = 2 Hours; Touch Dry = 6 Hours; Hard Dry = 16 Hours; Traffic = 72 Hours @ 25°C with relative humidity of less than 55%. Note: higher temperatures will accelerate the drying times (approximately halved for every 10°C increase), whilst lower temperatures and high humidity will retard the drying times (approximately doubled for every 10°C decrease).
Recoating time:	Minimum 6 hours – Maximum 24 hours between 2 Pack Polyurethane Floor Coating coats.
Pot life:	2 Hours.
Requirements:	2-3 Coats

SURFACE PREPARATION

Surfaces must be sound, clean and dry 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 Remove oil by washing the surface using Prominent Paints GP Cleaner diluted 1:10 with water and a scouring pad then rinse with clean water and allow the surface to dry. Apply one coat Prominent Paints Etch primer and allow 48 hours to dry. Note the open time of steel!
2. Fibreglass Abrade to matt finish, remove dust and apply directly.
3. Concrete Acid wash and prime with 1 coat Prominent Paints 2-Pack Floor Epoxy, once the moisture level is below 15%.
4. Wood Sand, apply 1 coat thinned down 15% and two coats undiluted.
5. Wooden Decks Not recommended.
6. Non-ferrous metals Sand, clean and apply directly.
7. Concrete Acid wash and apply directly once the moisture level is below 8%. Apply 1 coat thinned down 15% and 2 coats undiluted.

Redecorating:

1. Existing paint Strip down and treat as new work or on sound paint surfaces: Prominent Paints 2-Pack Floor Epoxy can be used as a barrier/intermediate coat.
2. Two-Pack Polyurethane floor coating Abrade to matt finish, remove dust and apply directly. Floor must be in good condition.
3. Epoxy coatings Abrade to matt finish, clean with Prominent General Purpose Cleaner, rinse with clean water, allow to dry and apply directly.

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LIMITATIONS:

1. Cannot be applied over conventional decorative coatings.
2. Surfaces to be applied to must be dry – not exceeding 8% moisture for a direct application.
3. Catalyst must be kept well sealed and free of moisture.
4. Must be used within 2 hours after mixing the base with the catalyst.
5. Sheen and colour variances may be visible due to variable film thickness/number of coats.
6. Prominent Paints 2 Pack Polyurethane Floor Coating is not a recommended application on wooden decks.
7. Moisture contamination will affect the curing ability of the product.
8. The application of a further coat of 2 Pack Polyurethane Floor Coating after the 24 hour recoating period is reached will necessitate sand of the exiting 2 Pack Polyurethane Floor Coating to a matt finish to ensure that the correct inter-coat adhesion results is obtained.
9. The application of 2 Pack Polyurethane Floor Coating to floor tiles is not recommended.

SAFETY PRECAUTIONS:

1. Product contains Isocyanate.
2. Do not breathe fumes, vapour or spray.
3. Mixed product is flammable. Do not use near open flames.
4. Keep out of reach of children.
5. Ensure to maintain good ventilation during application and drying process.
6. 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
7. If product is ingested drink plenty water or milk. Do not induce vomiting at any time. Seek medical advice.
8. 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 or from Prominent Paints Customer Service Department.
9. 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.

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:

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 Paints 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 or from Prominent Paints Customer Service Department.

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