



Technical Data Sheet

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Product name

FLOORTECT 2000 SB

PLASCOTHANE PURECOAT (PUC RANGE)



PRODUCT DESCRIPTION

A single pack moisture cured urethane floor coating, which has a smooth high gloss appearance.

INTENDED USES

- A tough and versatile urethane floor coating for interior use only. Can be used on various substrates such as concrete, masonry and timber.

FEATURES AND BENEFITS

- Product reacts with atmospheric moisture to form a tough flexible film, which has excellent abrasion resistance.
- Up to three coats can be applied in one day, after which the floor can be used within 24 hours (Depending on Ambient Humidity). This provides significant cost and convenience benefits.

PRODUCT INFORMATION

Appearance	High Gloss
Colours	Clear(PUC 1), Navy Light Grey(PUC 27)
Tint base	Transparent (PUC 1130) tinted to a range of standard colours via PROCHROMA 2 colourants
Volume Solids	±48 - 66% (typical)
Recommended DFT	Min: 25µm, Max: 35µm
Recommended WFT	Min: 50µm, Max: 75µm per coat
Theoretical spreading rate	18.8m ² /L at 35µm DFT at stated volume solids
VOC	<500g/L
Flash Point	<23°C
Viscosity	30 – 40seconds (typical) Ford Cup No. 4 (PUC 1130,PUC 27) 13 - 15seconds (typical)Ford Cup No. 4 (PUC 1)



APPLICATION DETAILS

Mixing	Stir thoroughly with a flat paddle until homogeneous.		
Method	Brush & roller only		
Application environment	Surface Temperature	Min*: 10°C	Max: 40°C
	Ambient Temperature	Min*: 10°C	Max: 40°C
	Relative Humidity	Min*: 10%	Max: 85%
	*or 3°C min. above dew point		
Thinning	Do not thin		
Cleaning	THINNER 5030(PUR 1)		
Drying Time	Touch dry	2h at 23°C	
	Overcoating (Min)	2h at 23°C	
	Overcoating (Max)	8h at 23°C	
	Dry to handle	24h at 23°C	
	Full Cure	7 Days	

STORAGE AND PACKAGING

Store away from direct sun, heat, open flames, sparks and severe cold.

Shelf Life: 12 months

Single Packs: 5L when tinted

TINTBASES

- The tint base containers are underfilled to levels which are specific for the tint base to allow for a calculated volume of colourants to be added. The volume indicated on the container is only achieved after the addition of all prescribed colourants as per the formulation.
- The tint base and the colourants are unfinished intermediate products which are not recommended for use by themselves. A finished product is only produced once the prescribed quantities of colourants have been thoroughly mixed with the tint base.

TINTING PROCEDURE

- Select the required colour and reference no. from suitable fan decks or colour cards and locate the applicable formulation from the tables.
- Certain colour choices may require more than two coats to achieve full obliteration, (see computer formulations for details in remark column prior to tinting).



- Select the required tint base and volume for tinting and set the tinting machine to deliver the correct amount of colourants as per formulation.
- Inject all required colourants, close container, and shake in mechanical shaker for 5 minutes.

SURFACE PREPARATION

All surfaces must be dry, clean, and free from oil, grease, wax, mortar droppings or any other contaminants. New concrete floors require a curing period of 28 days depending on ambient temperature and relative humidity. Moisture content must be less than 5% when measured on the Doser Hygrometer B4 scale. Extremely porous surfaces must first be sealed with FLOORTECT 2000 SB.

CONCRETE – WOOD FLOATED FLOORS

- Ensure that the surfaces are dry and free from polish, oil, grease, or any other contaminants prior to coating. Scrub thoroughly with STEELTECT 7100 SB (GR 1), rinse with clean water to remove all traces of degreaser. Allow to dry thoroughly.

CONCRETE – STEEL FLOATED FLOORS

- Remove all traces of grease, oil, or any other contaminants by scrubbing with STEELTECT 7100 SB (GR 1) followed by water rinses to remove all traces of degreaser. Allow to dry. Remove laitance and residual cement spillage by high-speed Diamond Grinding. Vacuum clean to remove all residual dust.

WOOD

- Deep sand wood to smooth finish, working in direction of grain (using an industrial belt type sander) until all traces of wax, paint, stains have been removed from the grain. Vacuum clean and wipe surface using a mutton cloth dampened with PERFORMANCE COATINGS THINNER 5030 (PUR 1) to remove wood dust. Moisture content must be less than 14% measured on a Doser Hygrometer scale.

PREVIOUSLY COATED EPOXY-POLYURETHANE

- Loose and flaking coatings should be removed back to a firm edge. Sand aged coatings to a matt finish and dust off.

APPLICATION INFORMATION

- Use once opened. Do not reseal and store.
- Minimise exposure time to air during tinting process
- If the substrate is extremely porous it should be sealed with FLOORTECT 2000 SB.
- Product should be applied directly to prepared surfaces as stated above.
- On concrete apply 1 coat FLOORTECT 2000 SB as a sealer and 2 finishing coats.



- On wood apply 1 coat FLOORTECT 2000 SB as a sealer and 2 finishing coats. De-nib by sanding with 220 grit between coats. Dust off.

SAFETY PRECAUTIONS

- Always keep paint out of reach of children.
- Ensure good ventilation during application and drying.
- If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.
- Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.
- Harmful if swallowed. Seek medical attention and do not induce vomiting.
- Do not smoke while painting.
- Flammable. Store in a cool dry place away from heat and sparks.
- **Contains isocyanate – use suitable respirator, particularly during application of the material**
- Refer to Safety Data Sheet for complete information.

DISCLAIMER

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be dependable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

NB: 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.

NB: TO ORDER: Quote product name, product code number, packaging, and colour.

KANSAI PLASCON (PTY) LTD

10 Frederick Cooper Drive,
Factoria, Krugersdorp
South Africa
1739.

Tel: +27 11 951 4500

Fax: +27 800 110 932

PLASCON ADVISORY SERVICE: 0860 20 40 60

EMAIL: advice@kansaiplascon.co.za

