



FLOOR PAINT

PRODUCT CODE: FPT Range & TFD Tint Bases

TECHNICAL DATA SHEET NO: PL-30-B

DATE: JULY 2011

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description	A high quality water based floor paint for interior and exterior concrete surfaces.														
Intended Uses	<ul style="list-style-type: none">• PLASCON FLOOR PAINT is a durable, hardwearing and fashionable coating, for domestic concrete surfaces such as floors, patios, driveways, pathways and garages.• When using on exterior surfaces see note under cautions														
Features & Benefits	<ul style="list-style-type: none">• Easy to use, waterbased satin finish• Rapid drying; can be over coated within 2 hours, enabling two coats to be applied during the same day.• Easy application by brush, roller or airless spray.• Easy to clean equipment with water after use.• Excellent adhesion to correctly prepared concrete.• Good adhesion to surfaces previously painted with water based paint.														
Product Information	Appearance	Sheen level depends on the substrate finish/profile													
	Colours	A range of standard colours and tinted colours as per colour card.													
	Tint Bases	Deep (TFD 2000), Beige (TFB 6000), Green (TFG 6000), Terracotta (TFT 6000), White (TFW 6000) and Grey (TFY 6000).													
	Solids	Approx. 53 % by mass; 44 % by volume (typical white)													
	S G	1,30 (typical white)													
	Recommended DFT	Min: 25 - 35 µm per coat													
	Viscosity at 23 °C	Approx. 85 KU													
	Flash point	Non-flammable													
	Theoretical spreading rate	13m ² /ℓ per coat at 30µm													
	Practical spreading rate	The practical spreading rate will vary depending on the porosity and profile of the substrate, as well as the application technique and tools used.													
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous and occasionally during use.													
	Method	Brush, roller or airless spray.													
	Thinning	Not recommended, ready for use													
	Cleaning	Water													
	Substrate	Cement bricks, concrete floors.													
	Application Environment	<table border="1"><thead><tr><th>Surface Temperature</th><th>Ambient Temperature</th><th>Relative Humidity</th></tr></thead><tbody><tr><td>Min: 10 °C</td><td>Min: 10 °C</td><td>Min: 10%</td></tr><tr><td colspan="3">Or 2 °C min above dew point</td></tr><tr><td>Max: 40 °C</td><td>Max: 40 °C</td><td>Max: 85%</td></tr></tbody></table>		Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10%	Or 2 °C min above dew point			Max: 40 °C	Max: 40 °C	Max: 85%
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	Drying time	<table><tbody><tr><td>Touch dry</td><td>30 min at 23 °C</td></tr><tr><td>Overcoating</td><td>4 hrs at 23 °C</td></tr><tr><td>Foot traffic</td><td>16 hrs at 23 °C</td></tr><tr><td>Vehicle traffic</td><td>72 hrs at 23 °C</td></tr></tbody></table>		Touch dry	30 min at 23 °C	Overcoating	4 hrs at 23 °C	Foot traffic	16 hrs at 23 °C	Vehicle traffic	72 hrs at 23 °C				
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Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 5 ℓ														



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Tint Bases	<ul style="list-style-type: none">• The tint base containers are underfilled to levels which are specific for each 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 bases and the colourants are unfinished or 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.• When mixed to a finished product its technical features, product information, application and surface preparation details comply with that of FLOOR PAINT (FPT)
Tinting Procedure	<ul style="list-style-type: none">• Select the required colour and reference no. from the PLASCON INSPIRED COLOUR system, other suitable systems 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 on mechanical shaker for 5 minutes. <p>Note: UNDER NO CIRCUMSTANCES TINT COLOURS FROM FLOOR PAINT WHITE (FPT 1) USE ONLY THE PRESCRIBED TINT BASES</p>
Surface Preparation	<p>To obtain the best performance the surface must be prepared correctly before application. Allow new concrete to cure for at least 4 weeks before painting. Concrete must be thoroughly cleaned before painting.</p> <ol style="list-style-type: none">1. SMOOTH CONCRETE (unpainted): Remove any wax or water based curing agents used to aid curing of the concrete after casting. Degrease the surface by using PLASCON AQUASOLV DEGREASER (GR1). Rinse thoroughly with clean water. Allow to dry for at least 48 hours until totally dry. For all smooth surfaces, particularly steel floated concrete, apply one coat of PLASCON CONCRETE FLOOR PREP (FCS 1). Allow the surface to dry for 8 hours before applying PLASCON FLOOR PAINT (FPT Range)2. CONCRETE SURFACES – (Unpainted e.g. wood floated): Degrease the surface to remove oil, grease and other contaminants by using PLASCON AQUASOLV DEGREASER (GR1). Allow to react for 20 minutes then rinse thoroughly with fresh water using a bristle broom to remove AQUASOLV and all contaminants. Allow to dry for at least 48 hours or until totally dry. Apply one coat PLASCON CONCRETE FLOOR PREP (FCS 1). Allow to dry for 8 hours.3. CONCRETE SURFACES – (Previously painted with water based paint): Check random areas for adhesion. If problems are observed total removal of old paint is required. Remove all contaminants such as dirt, grease, oil, dust, etc. Sand smooth or glossy surfaces to improve adhesion. Clean thoroughly with POLYCELL SUGAR SOAP POWDER solution using a scrubbing brush. Rinse thoroughly with water and allow to dry.4. TO IMPROVE SLIP RESISTANCE: If additional slip resistance is required add PLASCON GRIP ADDITIVE (PGA 1) (80g GRIP ADDITIVE to 5 l water) to the paint before application. Follow the instructions on the pack.
Application	<ul style="list-style-type: none">• Stir PLASCON FLOOR PAINT (FPT Range) thoroughly with a flat paddle before and during use• Apply two coats to the correctly prepared and sealed surface for maximum durability• Use a brush, roller or airless spray gun for application• Allow at least 2 hour drying time @ 23 °C between coats of PLASCON FLOOR PAINT (FPT Range).
Cautions	<ul style="list-style-type: none">• NOTE: exterior use on porous cement or ash brickwork can result in the coating peeling from the substrate. Water that rises from the soil can be absorbed into the brick resulting in the moisture being drawn to the surface and weakening the coating substrate interface. This can result in coating failure. The use of a DPC below the brickwork to stop rising damp actually can have a detrimental effect, as the rain water seeping in-between the bricks is simply trapped by the DPC and is absorbed into the bricks anyway.• Friable and powdery surfaces should not be painted.• Do not apply on stairs.• Allow light traffic after 16hrs drying and heavy traffic after 72 hours of drying @ 23°C. Drying times must be extended in cold, damp or humid conditions.• Do not apply the paint under conditions of frost, dew, rain, fog or adverse weather or to surfaces with temperatures below 10 °C or above 45°C.• The moisture content of the substrate should be less than 5% when measured on a Doser Hygrometer BD4 scale or equivalent instrument.• Do not use on bituminous or asphalt surfaces.• To ensure that colours on a project are consistent, check that batch numbers are the same.



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Safety	<ul style="list-style-type: none">• Keep out of reach of children.• Ensure good ventilation during application and drying.• In case of skin contact, wash with soap and water or a recognised skin cleaner.• Avoid contact with eyes – in case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist.• Harmful if swallowed, do not induce vomiting. Seek medical attention.• Refer to Material Safety Data Sheet for complete information.
Precautions	

DISCLAIMER:

The recommendations contained herein are given in all 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 reliable. 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.

PLASCON SOUTH AFRICA (PTY) LIMITED

CAPE TOWN:

P O Box 42
Eppindust 7475
Tel: (021) 505-2400
Fax: (021) 534-3791

DURBAN:

Private Bag X16
Mobeni 4060
Tel: (031) 451-3200
Fax: (031) 451-3411

GAUTENG:

P.O Box 4010
Luipaardsvlei 1743
Tel: (011) 951-4500
Fax: (011) 955-2841

PORT ELIZABETH:

P O Box 1594
Port Elizabeth 6000
Tel: (041) 401-1400
Fax: (041) 453-4596

PLASCON ADVISORY SERVICE: 0860 20 40 60