



Technical Data Sheet

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Product name

POLVIN



PRODUCT DESCRIPTION

A superior quality acrylic emulsion paint for interior and exterior use.

INTENDED USES

- For application to suitably primed new cement plaster, concrete, porous brickwork and various types of building boards.
- May also be applied to suitably primed wood, metals, fibre-cement and gypsum plaster.

FEATURES AND BENEFITS

- Excellent interior and exterior durability and low odour.
- High whiteness and hiding.
- Easy to clean with good scrub-ability.
- Superior obliteration and excellent spreadability.
- Low TVOC and lead free.
- 10 Year Quality Guarantee (Refer to T&C's at www.plascon.com).

PRODUCT INFORMATION

Appearance	: Smooth matt
Colours	: White (EPL 30), Black (EPL 48), Molucca (EPL 175), Pale Cream (EPL 272), Broken White (EPL 314), Ponte Plaster (EPL 501), Carlton Grey (EPL 502), Anstey Drift (EPL 503), Hanging Greige (EPL 504) and a wide range of INSPIRED COLOUR tints



Tint Bases	: Pastel (TAP 1010), Deep (TAP 2000), Transparent (TAP 3010) and Yellow (TAP 5010)
Generic type	: Modified acrylic emulsion
S G	: 1.40 kg/L (Typical)
Viscosity at 23 °C	: 90 KU (Typical)
Recommended DFT	: 35 – 45 µm per coat.
Recommended WFT	: 109 – 141 µm per coat.
Typical spreading rate	: 7– 9m²/L per coat @ 40µm DFT. This serves as a guide only.
Practical spreading rate	: The practical spreading rate will vary depending on the profile of the substrate, as well as the application technique and tools used.
Flash point	: Non-flammable
VOC	: 0g/L for White <5g/L for Pastel, Deep and Transparent bases (tinted)

APPLICATION DETAILS

Mixing	: Stir thoroughly with a flat paddle until homogeneous and stir periodically during use.
Substrate	: Thoroughly cleaned, primed concrete, cement plaster, brickwork, building boards and suitably primed wood, metal, fibre-cement and gypsum plaster.
Method	: Brush, roller or airless spray
Thinning	: Not recommended.
Cleaning	: Water
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 2 °C min. above dew point
Drying Time	: Touch dry : 30 min @ 23°C Recoating : 1 h @ 23°C Dry to handle : 1 h @ 23°C

STORAGE AND PACKAGING

Store away from direct sun, heat and severe cold.
Packaging: 1L, 5L and 20L





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.
- When mixed to a finished product its technical features, product information, application and surface preparation details comply with that of **POLVIN WALLS & CEILINGS**.

TINTING PROCEDURE

- Select the required colour and reference no. from the **PLASCON INSPIRED COLOUR** fandeck, other suitable fandecks 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.

Note: **UNDER NO CIRCUMSTANCES TINT COLOURS FROM POLVIN WALLS & CEILINGS WHITE (EPL 30), USE ONLY THE PRESCRIBED TINT BASE.**

SURFACE PREPARATION

Ensure that surfaces are dry, sound and free from dust, dirt, grease and oil before painting.

NEW WORK

- Cement plaster, concrete, gypsum plaster (e.g. Rhinolite, Cretestone), gypsum board, e.g. Rhinoboard), and unglazed brick: Remove any loose particles and laitance by most suitable means and paint directly. If a gypsum plaster has been used as the joint skimming filler on gypsum board or dry wall partitioning, then these areas must be sealed with **PLASCON PLASTER PRIMER (UC 56)**. N.B. Soft, underbound, friable and highly porous surfaces must be restored to a sound condition with **PLASCON PLASTER PRIMER (UC 56)**.
- Fibre-cement: Prime with **PLASCON MULTI SURFACE PRIMER (WUP 1)** and allow to dry for 4 hours @ 23°C.
- Wood: Sand smooth and dust off. Seal knots with **KNOT SEAL (PK 2)** and allow to dry for 16 hours @ 23°C, then prime with **PLASCON WOOD PRIMER (UC 2)** and allow to dry for 16 hours @ 23°C.



- Mild steel: Degrease with **AQUASOLV DEGREASER (GR 1)** and rinse thoroughly with water. Remove rust. Prime with **PLASCON METAL PRIMER (UC 501)** and allow to dry for 16 hours @ 23°C. Use **ZINC PHOSPHATE PRIMER RED OXIDE (UC 207)** for structural steelwork and allow to dry for 18 hours @ 23°C. Apply a coat of **PLASCON UNIVERSAL UNDERCOAT (UC 1)** and allow to dry for 16 hours @ 23°C.
- Galvanised steel: Clean with **PLASCON GALVANISED IRON CLEANER (GIC 1)** and rinse thoroughly with water to achieve a water break-free surface. Prime with **PLASCON GALVANISED IRON PRIMER (GIP 1)** and allow to dry for 16 hours @ 23°C.

PREVIOUSLY PAINTED SURFACES

- Previously painted surfaces in good condition: Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Spot prime bare areas with appropriate primer. Clean with **POLYCELL SUGAR SOAP POWDER** solution to remove all contaminants and chalked material. Rinse well with clean water to remove all traces of **SUGAR SOAP**. Alternatively, clean with high pressure water jet. Sand glossy enamel surfaces to a matt finish and apply a coat of **PLASCON UNIVERSAL UNDERCOAT (UC 1)** and allow to dry for 16 hours @ 23°C.
- Previously painted surfaces in poor condition: Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping. Proceed as for new work.

FILLING

- Fill defects with the appropriate **POLYCELL POLYFILLA**. Fill wood and fibre-cement with **POLYCELL MENDALL 90**.

APPLICATION INFORMATION

- **POLVIN WALLS & CEILINGS (EPL 30)** is ready for use with brush or roller application.
- Apply two or more coats to achieve complete obliteration.
- Always maintain a wet edge and avoid downing tools during the application process to prevent lap marks and variances in colour or texture. Work from corner to corner or from a natural cut off point to another.

CAUTIONS

- Not recommended for areas where chemical resistance is required.
- To ensure that colours on a project are consistent check that batch numbers are the same.
- Do not apply to surfaces where the temperature is less than 10°C.
- Do not paint under conditions of frost, dew, rain or fog or inclement weather. **Note:** Painting under the above conditions may affect the performance of the paint film.





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 pour paint or water used to wash paint equipment down the drain.
- 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 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.

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

