



ENAMEL DOORS & TRIMS

PRODUCT CODE: NY 1/G Range & TSE Tint Bases

TECHNICAL DATA SHEET NO: P-53

DATE: SEPTEMBER 2010

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description	A high quality alkyd based high gloss enamel.													
Intended Uses	<ul style="list-style-type: none">Used as a decorative and protective finish on interior and exterior mild steel, galvanised steel, timber and masonry.													
Features	<ul style="list-style-type: none">Dries to a tough durable finish with good weather resistance.Provides a smooth high gloss finish.													
Product Information	Appearance Colours Tint Bases Solids Recommended DFT Theoretical spreading rate Viscosity at 23 °C S G Flash Point	High gloss White (NY 1), standard colours (G-Range) and a range of INSPIRED COLOUR tints Pastel (TSE 1000), Deep (TSE 2000), Transparent (TSE 3010) and Yellow (TSE 5010) Approx. 65% by mass; 49% by volume (typical for white) Min: 25 µm Max: 35 µm 14 m ² /ℓ @ 35 µm DFT 68 - 72 KU (typical) 1,10 kg/ℓ (typical for white) 38 °C												
Application Details	Mixing Substrate Method Thinning Cleaning Application Environment Drying time	Stir thoroughly with a flat paddle until homogeneous and stir periodically during use. Well prepared primed and undercoated surfaces. Brush, roller or spray. Not normally necessary to thin for brush or roller application. For Spray Application thin approx. 10 parts ENAMEL DOORS & TRIMS to 1 part SPRAYING THINNER (TH 3) or MINERAL TURPENTINE (AZH 1) by volume MINERAL TURPENTINE (AZH 1) or POLYCELL BRUSH CLEANER (502205) <table border="1"><tr><td>Surface Temperature</td><td>Ambient Temperature</td><td>Relative Humidity</td></tr><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></table> Touch dry 4 h at 23 °C Recoating 16 h at 23 °C Dry to handle 16 h at 23 °C	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 %
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 %												
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 1 ℓ, 5 ℓ and 20 ℓ													
Tint Bases	<ul style="list-style-type: none">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 ENAMEL DOORS & TRIMS													



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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 on mechanical shaker for 5 minutes.
- Note: **UNDER NO CIRCUMSTANCES TINT COLOURS FROM ENAMEL DOORS & TRIMS WHITE (NY 1), USE ONLY THE PRESCRIBED TINT BASE**

Surface Preparation

- Ensure that surfaces are dry, sound and free from dust, dirt, grease and oil before painting.
1. **NEW WORK:**
 - 1.1 **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 (UC56)**
 - 1.2 **Fibre-cement:** Prime with **PLASCON MULTI SURFACE PRIMER (WUP 1)**
 - 1.3 **Wood:**

Sand smooth and dust off. Seal knots with **KNOT SEAL (PK 2)**, then prime with **PLASCON WOOD PRIMER (UC 2)**
 - 1.4 **Mild steel:**

Remove rust. Degrease with **AQUASOLV DEGREASER (GR 1)** and rinse thoroughly with water. Prime with **PLASCON METAL PRIMER (UC 501)**. Use **ZINC PHOSPHATE PRIMER RED OXIDE (UC 207)** for structural steelwork.
 - 1.5 **Galvanised steel:**

Clean with **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)**.
 2. **PREVIOUSLY PAINTED SURFACES:**
 - 2.1 **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)**
 - 2.2 **Previously painted surfaces in poor condition:**

Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping with **REMOVAL ALL PURPOSE COATINGS REMOVER (RRA 220)**. Proceed as for new work.
 3. **FILLING:**

Fill defects with the appropriate **POLYCELL POLYFILLA**. Fill wood and fibre-cement with **POLYCELL MENDALL 90**.
 4. **UNDERCOAT:** To all surfaces prepared and primed as above, apply a coat of **PLASCON UNIVERSAL UNDERCOAT (UC 1)**

Application

- **ENAMEL DOORS & TRIMS (NY 1/G)** is ready for use with brush or roller application.
- For spray application thin as recommended
- Apply one or more coats to achieve complete obliteration.

Cautions

- Not recommended for areas where chemical resistance is required.
- Heavy applications (exceeding 35 µm DFT) should be avoided to prevent wrinkling.
- To ensure that colours on a project are consistent check that batch numbers are the same.



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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.
- Refer to Material 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: T O ORDER: Quote product name, product code number, packaging and colour.

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