

SUPER UNIVERSAL ENAMEL

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

TECHNICAL DATA SHEET

Product Description	A high quality solvent based enamel with a high gloss finish.													
Intended Uses	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. • Advanced formulation • Flawless polished finish. • Lead free. • 7 year Quality Guarantee, Interior only (Refer to T & C 's at www.plascon.com). 													
Product Information	Appearance	High gloss												
	Colours	White (NY 1), standard colours (G-Range) as per colour card. Also available in a wide range of INSPIRED COLOUR tints:												
	Tint Bases	Pastel (TSE 1000), Deep (TSE 2000), Transparent (TSE 3010) and Yellow (TSE 5010)												
	Volume Solids	49 % (typical for white)												
	Recommended DFT	25 – 35 µm per coat												
	Recommended WFT	51 - 71 µm per coat												
	Theoretical spreading rate	16.3 m ² /L @ 30 µm 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.												
	TVOC	381 g/L for White. < 415 g/L for Tint bases												
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous and stir periodically during use.												
	Method	Brush, roller or spray.												
	Thinning	Not normally necessary to thin for brush or roller application. For Spray Application thin approx. 10 parts SUPER UNIVERSAL ENAMEL to 1 part SPRAYING THINNER (TH 3) or MINERAL TURPENTINE (AZH 1) by volume.												
	Cleaning	MINERAL TURPENTINE (AZH 1) or POLYCELL BRUSH CLEANER												
	Drying time	Touch dry: 4 h @ 23 °C Over coating: 16 h @ 23 °C												
	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 3 °C min. above dew point</td> </tr> <tr> <td>Max: 35 °C</td> <td>Max: 35 °C</td> <td>Max: 85 %</td> </tr> </tbody> </table>	Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10%	or 3 °C min. above dew point			Max: 35 °C	Max: 35 °C	Max: 85 %
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Min: 10 °C	Min: 10 °C	Min: 10%												
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Max: 35 °C	Max: 35 °C	Max: 85 %												
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 1 L , 5 L and 20 L													



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Surface Preparation	<p>Ensure that surfaces are dry, sound and free from dust, dirt, grease and oil before painting.</p> <ol style="list-style-type: none"> 1. NEW WORK: <ol style="list-style-type: none"> 1.1 Cement plaster, concrete, gypsum plaster (e.g. Rhinolite, Cretestone), Fibre-cement, gypsum board, hardboard and unglazed brick: Prime entire area with PLASCON PLASTER PRIMER (UC 56) 1.2 Wood: Sand until smooth in the direction of the grain and dust off. Seal knots with WOODCARE KNOT SEAL (PK 2), then prime with PLASCON WOOD PRIMER (UC 2). 1.3 Mild steel: Degrease with AQUASOLV DEGREASER (GR 1) and rinse thoroughly with water to obtain a water break free surface. Remove any rust by wire brushing. Prime with PLASCON METALCARE MILD STEEL PRIMER (UC 501) 1.4 Galvanised steel: Clean with PLASCON METALCARE GALVANISED IRON CLEANER (GIC 1) and rinse thoroughly with water to obtain a water break free surface. Prime with PLASCON METALCARE GALVANISED IRON PRIMER (GIP 1). 2. PREVIOUSLY PAINTED SURFACES: <ol style="list-style-type: none"> 2.1 Previously painted surfaces in good condition: Remove loose and flaking paint by scraping and sanding. 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. Spot prime bare areas with PLASCON PLASTER PRIMER (UC 56). 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. Wash thoroughly with POLYCELL SUGAR SOAP POWDER solution. Rinse with fresh water. Proceed as for new work in point 1. Chalky surfaces: Remove as much of the chalky surface as possible using a POLYCELL SUGAR SOAP solution and scrubbing. Rinse with clean water and allow to dry. Seal with PLASCON BONDING LIQUID (CVI 14) and allow to dry for 16 h. 3. FILLING: Fill defects with the appropriate POLYCELL FILLER. Spot prime FILLED areas with PLASCON PLASTER PRIMER (UC 56). Fill wood with POLYCELL POLYFILLA MENDALL 90 and spot prime FILLED areas with PLASCON PLASTER PRIMER (UC 56). 4. UNDERCOAT: Apply PLASCON UNIVERSAL UNDERCOAT (UC 1) to all prepared and primed surfaces as above.
Application	<ul style="list-style-type: none"> • Ready for use with brush or roller application. For spray application thin as recommended. • 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. Do not attempt touch ups, but redo complete panels.
Cautions	<ul style="list-style-type: none"> • 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 product codes and batch numbers are the same.
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 SUPER UNIVERSAL ENAMEL • Only colourants from the PLASCON INSPIRED COLOUR system are permitted for use when tinting.



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Tinting Procedure	<ul style="list-style-type: none"> • 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 SUPER UNIVERSAL ENAMEL WHITE (NY 1), USE ONLY THE PRESCRIBED TINT BASE.
Safety Precautions	<ul style="list-style-type: none"> • 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 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.

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