Technical Data Sheet
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Product name

# PROFESSIONAL HYGIENE LOW SHEEN (PHL 1 and THL Tintbase)

## PRODUCT DESCRIPTION

Low sheen acrylic emulsion.

## INTENDED USES

- For interior use.
- Suitable for correctly primed new plaster, concrete, porous brickwork and various types of building boards.

## FEATURES AND BENEFITS

- BIODEFENCE™ silver technology actively inhibits microbial growth between cleanings
- BIODEFENCE™ promotes a more hygienic environment.
- BIODEFENCE™ helps reduce the risk of cross-contamination via painted surfaces.
- Low VOC.
- Excellent washability and stain resistance.
- Ease of application and good hiding.

## PRODUCT INFORMATION

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| Appearance | : Low Sheen |
| Colours | : White (PHL 1) |
| Tint Bases | : Pastel Tint Base (THL 1000) |
| Generic type | : Acrylic emulsion |
| Viscosity at 23 °C | : 110 - 115 KU (Typical) |
| Recommended DFT | : 25 – 35 µm per coat. |
| Recommended WFT | : 63 – 88 µm per coat. |

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| Typical spreading rate | : 13.3 m²/L per coat @ 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 | : <16 g/L |

## APPLICATION DETAILS

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| Mixing | : Stir thoroughly with a flat paddle until homogeneous and occasionally during use. |
| Method | : Brush, roller or airless spray. |
| Thinning | : No thinning, ready for use. |
| Cleaning | : Water |

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| 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 | | |

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| Drying Time | : Touch dry: 30 min. @ 23 °C<br>Over coating: 1 h @ 23 °C |

## STORAGE AND PACKAGING

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

## TINT BASES

- 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 **PROFESSIONAL HYGIENE LOW SHEEN (PHL 1).**
- **N.B. Only colourants from the Plascon Inspired colour system are permitted for use when tinting.**

## TINTING PROCEDURE

- Select the required colour and reference no. from the **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 remarks column prior to tinting).
- Select the required 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 SHOULD COLOURS BE TINTED FROM PROFESSIONAL HYGIENE LOW SHEEN WHITE (PHL 1) - USE ONLY THE PRESCRIBED TINT BASE (THL 1000).**

## SURFACE PREPARATION

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

### NEW WORK

*Cement plaster, concrete and porous brickwork:*

Ensure concrete has dried for 4 weeks and cement plaster for 2 weeks. Apply one coat of **PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700).**

*Gypsum plaster (e.g. Rhinolite, Cretestone), brickwork stone work:*

- Apply one coat of **PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700).** If a gypsum plaster has been used as the joint skimming filler on gypsum board or dry wall partitioning, then seal these areas with **PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700).**

*Fibre cement board:*

- Prime with **BONDING LIQUID (CV1 14)** or **PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700).**

*Wood:*

Sand to a smooth finish and dust off. Seal knots and resinous areas with **KNOT SEAL (PK 2).** Fill defects with **POLYCELL MENDALL 90**. Sand after 16 hours and spot prime. Prime with **PROFESSIONAL WOOD PRIMER (PP 800**)

*Mild Steel:*

- Degrease with **AQUASOLV DEGREASER (GR 1).** Rinse thoroughly with water. Remove any rust by coarse sanding, mechanical grinding etc. or **REMOVALL RUST REMOVER & CONCRETE ETCHER (RCC 170).** Prime general surfaces the same day with **ZINC PHOSPATE PRIMER (UC 170) or PLASCOSAFE (EMS 18)**

*Galvanised iron:*

- Clean with **GALVANISED IRON CLEANER (GIC 1)** to achieve a water break-free surface. Rinse thoroughly with water. Prime the same day with **PROFESSIONAL GALVANISED IRON PRIMER (PP 1000)**.

## 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. Clean with **POLYCELL SUGAR SOAP POWDER CLEANER** solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of sugar soap. Alternatively, rinse with high pressure water jet. Spot prime bare areas with the appropriate primer. Sand glossy enamel surfaces to a matt finish and apply one coat of **PROFESSIONAL ALL PURPOSE UNDERCOAT (PU 800).**

*Previously painted surfaces in poor condition:*

- Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping. Clean with **POLYCELL SUGAR SOAP** solution. Ensure substrate is sound, not powdery or friable, prior to coating. Treat as for new work.

## FILLING

- Fill all imperfections with **POLYCELL MENDALL 90** or the appropriate **POLYFILLA** and spot prime filled areas with **PROFESSIONAL GYPSUM AND PLASTER PRIMER (PP 700)**.

## APPLICATION

- Apply two or more coats to suitably primed surfaces 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.

## CAUTION

- Do not thin. Thinning affects the properties of the product.
- Although PROFESSIONAL HYGIENE LOW SHEEN is anti-bacterial, normal cleaning and washing procedures must be adhered to.
- Avoid painting during inclement weather or if temperature is below 10 °C

## SAFETY PRECAUTIONS

- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- Do not pour paint down the drain.
- 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 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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