UNIVERSAL HIGH GLOSS ENAMEL

TECHNICAL DATA SHEET

Product Code: **ENM00**

2026 REVISION 2

PRODUCT DESCRIPTION

Universal High Gloss Enamel is a high-quality, long-oil alkyd-based solvent-borne high gloss enamel.

LIFE EXPECTANCY	3-5 years
INTERIOR/EXTERIOR	Interior, Exterior

FEATURES AND BENEFITS

- For all primed new and previously coated surfaces
- Scratch and mar resistant
- High Gloss Finish
- Excellent adhesion and application properties
- Fully Washable

PRODUCT INFORMATION

Available Pack Sizes	1ℓ & 5ℓ, (20ℓ selected colours only)
Colour/s	White, Bases & Standard Colours
Tintable	Standard colours, Tintable
Surface Appearance	High gloss finish
Resin Base	Alkyd Base
Volume Solids Content	0.46
VOC Content	High VOC content 25% to 50%
Spreading Rate	Theoretical Spreading Rate: 17,7 m²/ litre @ 35 µm DFT Practical Spreading Rate: 10m²/litre @ 35 µm DFT *Our spreading rate is calculated per coat on a smooth surface. This is a guide only. The rate will vary depending on the porosity and profile of the substrate. Tools used and application technique/method will also have an impact on spreading rate.*
Recommend WFT & DFT	65 - 87µm WFT 30 - 40µm DFT *WFT and DFT may differ slightly depending on the surface porosity, profile and application method.*

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APPLICATION INFORMATION

Always maintain a wet edge and avoid downing tools during the application to prevent lap marks and variances in colour or texture.

Work from corner to corner, or from one natural cut off point to the next. Do not attempt to touch up areas, completely repaint the whole area.

APPLICATION DETAILS

Mixing	Stir thoroughly with a flat paddle until homogeneous
Application Conditions	Surface Temperatures at 23°C and Relative Humidity <50%
Recoating Time	16 - 24 hours
Application Methods	Brush, roller or spray
Thinning	Brush or roller (Do not thin), Spray (Thin 10% first coat if required)
Cleaning of equipment	Mineral Turpentine

STORAGE AND PACKAGING

- Store away from direct sun, heat and severe cold.
- Ensure the container is tightly sealed before storing.
- If not sealed properly and exposed to extreme temperatures, it will lead to defects such as product fouling, skinning, crystallizing and will have hard settlement.

TINT BASE SELECTION

Tint base containers are underfilled to allow for calculated volumes of colourants to be added at point of sale. Together they make up the approximate volume indicated on the packaging.

Tint bases and colourants are not recommended for use by themselves and are only considered a finished product once the correct quantities of colourant have been added and properly mixed with the tint base.

To control colour accuracy and quantity of colourant to be added, only Universal Paints colourants are permitted for use when tinting.

TINTING PROCEDURE

Select the required colour from the Universal Paints colour wall, fandeck or other colour references and hand to the colour tinting expert at the paint lab to mix and provide you with the finished product.

Note: Some selected colours may require more than 2 coats to achieve full coverage. It is not advisable to tint standard colours.

CAUTIONS

To ensure colours on the project are consistent, always check the batch numbers and product codes are the same on every container. If batch numbers are different, try mixing all the batches together in a large container so that there is colour consistency.

It is preferable to buy all the paint you need at one time and in the largest possible pack size for convenience and to reduce the chances of slight colour variations between batches.

THE CORRECT SURFACE PREPARATION IS CRITICAL TO ENSURE OPTIMUM PERFORMANCE OF THE PAINT SYSTEM.

Environmental Conditions, Drying and Curing
Drying and curing times are significantly influenced by environmental conditions during and after application. Variations in temperature, humidity, airflow and substrate temperature may affect coating performance, appearance and final film properties. Avoid painting during inclement weather. Don't wash, or wet, painted surfaces for 7 days after painting. Cold, damp or humid conditions, particularly during winter months, will retard the drying and curing.

Application should be avoided when:
- Rain, mist, fog, or condensation is expected before sufficient drying has occurred.
- Substrate temperatures are below the recommended minimum.
- Relative humidity exceeds recommended limits.

Ventilation
Adequate ventilation is essential to promote proper drying and curing. Poor airflow, enclosed spaces or stagnant humid air may considerably delay curing performance.

Recoating
Recoating intervals may need to be extended during cold or humid conditions. Ensure the previous coat is sufficiently dry before overcoating.

Full Cure
Although the coating may appear dry to the touch within the stated drying period, full chemical and mechanical cure may take several days depending on film thickness and environmental conditions.

Important Note
Drying and curing times quoted in this technical data sheet are based on standard laboratory conditions. Actual site conditions may vary and will influence product performance.

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PROCEDURE TO CHANGE A SYSTEM FROM SOLVENT TO WATER BASED OR WATER TO SOLVENT BASED.

1. Sand surface slightly with fine sandpaper to break down the existing surface to a matt finish.
2. Dust off any loose dirt contaminants.
3. Clean the surface with soap solution.
4. Rinse well with clean water.
5. Allow the surface to dry completely.
6. Apply one coat of universal undercoat.
7. Apply two coats of the selected top coat (solvent or water based).

SURFACE PREPARATION

NEW SURFACES - CEMENT PLASTER, CONCRETE, GYPSUM PLASTER, PRECAST, RHINOLITE, FIBRE CEMENT

- The substrates must be clean, dry and sound and free of any contaminants.
- Remove all dust, foreign material, fungal and algae growth, which should be treated with Universal Paints Fungal Wash.
- Fill and seal all visible cracks with Universal Paints Acrylic Crack Filler (not more than 3mm).
- Sand well and remove dust.
- Prime using the Universal Water Based Primer (allowing 4-6 hours to dry) or Universal Pigmented Primer (allowing 16-24 hours to dry) or Universal Bonding Liquid (allowing 16-24 hours to dry however it must be overcoated within 72 hours).

Apply 2 coats Universal High Gloss Enamel allowing 16 - 24 hours drying time between coats.

PREVIOUSLY COATED SURFACES - CEMENT PLASTER, CONCRETE, GYPSUM PLASTER, PRECAST, RHINOLITE, FIBRE CEMENT

- Previously coated surface in poor condition: Completely remove the old paint by scraping and sanding.
- The substrates must be clean, dry and sound and free of any contaminants.
- Remove all loose and flaking paint and sand existing coating.
- Remove all dust, foreign material, fungal and algae growth, which should be treated with Universal Paints Fungal Wash.
- Fill and seal all visible cracks with Universal Paints Acrylic Crack Filler (not more than 3mm).
- Sand well and remove dust.
- Spot prime using Universal Water Based Primer (allowing 4-6 hours to dry) or Universal Pigmented Primer (allow 16-24 hours to dry) or Universal Bonding Liquid (allowing 16-24 hours to dry however it must be overcoated within 72 hours) to all bare and repaired areas.

Apply 2 coats Universal High Gloss Enamel allowing 16 - 24 hours drying time between coats.

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NEW SURFACES - MILD STEEL AND GALVANISED STEEL

- The substrates must be clean, dry and sound and free of any contaminants.
- Degrease surfaces with Universal Paints Zinc Cleaner (Degreaser) to remove the manufacturer's grease protective layer. This process is repeated until the surface is water break free.
- After drying, the Mild Steel substrate is coated with Universal Paints Galvanised Primer allowing 4-6 hours to dry or Universal Red Oxide Quick-Dry Primer allowing 4-6 hours to dry.
  On Galvanised Steel Use Galvanised Primer allowing 4-6 hours to dry.

Apply 2 coats Universal High Gloss Enamel allowing 16 - 24 hours drying time between coats.

PREVIOUSLY COATED SURFACES - MILD STEEL AND GALVANISED STEEL

- The substrates must be clean, dry and sound and free of any contaminants.
- Remove all loose and flaking paint and sand existing coating.
- Rusted areas need to be cleaned back to bright metal and spot prime Mild Steel with Universal Paints Galvanised Primer allowing 4-6 hours to dry or Universal Red Oxide Quick-Dry Primer allowing 4-6 hours drying.
  On Galvanised Steel Use Universal Galvanised Primer allowing 4-6 hours drying.

Apply 2 coats Universal High Gloss Enamel allowing 16 - 24 hours drying time between coats.

NEW SURFACES - WOOD

- The substrates must be clean, dry and sound and free of any contaminants
- Remove all dust, foreign material, fungal and algae growth, which should be treated with Universal Paints Fungal Wash.
- Prime using Universal Pinkwood Primer allowing 16-24 hours to dry

Apply 2 coats Universal High Gloss Enamel allowing 16 - 24 hours drying time between coats.

PREVIOUSLY COATED SURFACES - WOOD

- The substrates must be clean, dry and sound and free of any contaminants.
- Remove all loose and flaking paint and sand existing coating.
- Remove all dust, foreign material, fungal and algae growth, which should be treated with Universal Paints Fungal Wash.
- Spot prime using Universal Pinkwood Primer to all bare and repaired areas allowing 16-24 hours to dry.

Apply 2 coats Universal High Gloss Enamel allowing 16 - 24 hours drying time between coats.

SAFETY PRECAUTIONS

For detailed safety information please refer to Material Safety Data Sheet. Keep out of reach of children, flames and sparks. This product is lead free, contains high levels of VOC. Only use in well ventilated areas and do not eat, drink or smoke whilst using this product. Empty containers are suitable for recycling but caution must be exercised in the disposal of used containers.

DISCLAIMER

Universal Paints cannot be held liable if the product fails due to improper surface preparation or application

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.

Third-Party Primer and Undercoat Systems
This product has been tested for compatibility only with recommended primers, undercoats and coating systems supplied or approved by the manufacturer.

Where primers, undercoats or previously applied coatings from other manufacturers are used, compatibility cannot be guaranteed unless prior testing and written approval have been obtained.

The use of non-approved or incompatible coating systems may adversely affect adhesion, drying and curing performance, intercoat bonding, film integrity and appearance and long-term durability.

As formulation technologies vary between manufacturers, incompatibility may occur even where products appear similar in application or intended use. The manufacturer accepts no responsibility for coating failure, reduced performance or consequential damages resulting from the use of incompatible third-party products or systems not specifically tested and approved.

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.

Important
TO ORDER: Quote product name, product code number, packaging and colour.