



## UNIVERSAL HIGH GLOSS ENAMEL PRODUCT CODE: ENM00

### TECHNICAL DATA SHEET

APRIL 2024 REVISION 1

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## PRODUCT DESCRIPTION

Universal High Gloss Enamel is a classical long oil alkyd based coating

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## PRODUCT FEATURES AND BENEFITS

For interior and Exterior on all primed new and previously coated surfaces i.e. walls, furniture, doors, kitchens cupboards, window frames and door frames

Excellent adhesion

Good UV light stability and excellent gloss retention

Highly Washable and scratch resistance

Good Hiding Power and film build

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## PRODUCT INFORMATION

|                                |                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Colour</b>                  | White, Black and tint bases                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Surface Appearance</b>      | High gloss finish                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Resin Base</b>              | Alkyd                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Solids Content</b>          | By volume: Approx. 46%                                                                                                                                                                                                                                                                                                                                                                                |
| <b>VOC Content</b>             | High VOC content 25% to 50%                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Spreading Rate</b>          | Theoretical Spreading Rate: 13,7m <sup>2</sup> /litre @ 35 µm DFT<br>Practical Spreading Rate: 7,8m <sup>2</sup> /litre @ 35 µm DFT<br>Our spreading rate is calculated per coat on a smooth surface.<br>This is a guide only. The rate will vary depending on the porosity and profile of the substrate.<br>Tools used and application technique/ method will also have an impact on spreading rate. |
| <b>Recommend WFT &amp; DFT</b> | 65 – 87 µm WFT depending on the surface, porosity, profile and application Method<br>30 – 40 µm DFT depending on the surface, porosity, profile and application Method                                                                                                                                                                                                                                |
| <b>Pack Sizes</b>              | Available in 1ℓ, 5ℓ (20ℓ only white)                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage and Packaging</b>   | Store away from direct sun, heat and severe cold<br>Ensure the container is tightly sealed before storing.<br>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.                                                                                                                     |



## 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

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| <b>Mixing</b>                 | Stir thoroughly with a flat paddle until homogeneous    |
| <b>Application Conditions</b> | Surface Temperatures at 23°C<br>Relative Humidity < 50% |
| <b>Recoating Time</b>         | 16 – 24 hours to dry before over coating                |
| <b>Application Methods</b>    | Brush, Roller or Airless Spray                          |
| <b>Thinner</b>                | Is ready for use, do not thin.                          |
| <b>Cleaning of equipment</b>  | Universal Mineral Turpentine                            |

## 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 16-18 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 16-18 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.



## 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 allow 4-6 hours to dry or Universal Red Oxide Quick-Dry Primer allowing 16-18 hours drying. On Galvanised Steel Use Universal 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 the Mild Steel substrate is coated with Universal Paints Galvanised Primer allow 4-6 hours to dry or Universal Red Oxide Quick-Dry Primer allowing 16-18 hours drying. On Galvanised Steel Use Universal Galvanised Primer allowing 4-6 hours to dry.

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 Pink Wood 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.



## 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 that some selected colours may require more than 2 coats to achieve full coverage.

It is not advisable to tint standard colours.

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## 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**

Avoid painting during inclement weather

Don't wash, or wet, painted surfaces for 7 days after painting

High humidity will retard the drying and curing

### **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).



## **SAFETY PRECAUTIONS**

For detailed safety information please refer to Material Safety Data Sheet

This product is lead free, does not contain any toxic substances and contains low 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

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## **DISCLAIMER**

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