



# Purlenamel

Fast drying industrial enamel

1450 - line

## Description

- Air-dry coating for protection and decoration of metal surfaces

## Properties

- Fast drying
- Superior film build
- Sharp gloss off the gun
- Range of colours

## Typical Applications

- Steel fabrications (agricultural implements, trailers, machinery, waste bins)

## General Data

- Weather resistance Moderate; chalking will occur with lengthy exterior exposure, but film integrity should not be affected
- Solvent resistance Resists splashes of hydrocarbon solvents; not recommended for continuous immersion
- Chemical resistance Fair
- Abrasion resistance Good
- Recommended primers Zinc Phosphate Primer or Rhinogrip® Etch Primer; may be applied directly to bare steel

## Specifications (at 25°C and 50% relative humidity)

- Resin type.....Oil-modified Alkyd
- Typical solids content..... 30% (by volume)
- Typical film thickness (per coat)..... 25 microns (dry)  
75 microns (wet)
- Theoretical coverage..... 12 - 15m<sup>2</sup> / L @ 25 microns dry film thickness (dependant on colour)
- Touch dry..... 30 minutes
- Hard dry..... 16 hours
- Recoating..... recoat within 45 min. to 2 hours, or after 48 hours
- Heat resistance..... Up to 120°C (dry heat)
- Gloss..... Gloss
- Colours..... Extensive colour library and easy colour matching with Coloryte® Industrial Tint System
- Shelf life..... minimum 12 months (in cool, dry conditions)

## Surface Preparation

- Bare steel surfaces should have rust and scale removed with abrasive paper or wire brush
- Wipe with clean solvent and rags to remove grease and any other residues

## Mixing recommendation

- Mix the entire contents of the can before decanting
- Stir thoroughly with a broad paddle or mechanical mixer to ensure even consistency of the product
- Thin up to 20% by volume with Wagon Paints' T4 Enamel Thinner and stir as above

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## Application

- May be spray applied using airless or conventional air spray equipment
- Small areas may be coated by brush (using T5 Mineral Turpentine as thinner)
- **Airless Spray** nozzle size.....0.33 – 0.38 mm  
nozzle pressure..... 2000 – 2500 psi (14 - 17mPa)  
volume of thinner.....up to 10%
- **Air Spray** nozzle size.....1.6 – 2.0 mm  
nozzle pressure.....45 – 60 psi (300 - 400kPa)  
volume of thinner.....15 - 20%
- **Cleaning solvent** ..... T4 Universal Thinner or T12 Gunwash

## Safety precautions

- **Refer to the relevant Material Safety Data Sheet**
- Contents are flammable – keep away from all ignition sources
- Avoid contact with skin and eyes – when mixing, wear gloves and goggles
- When spraying, ensure adequate ventilation and wear appropriate protective clothing and equipment

**Packaging Group II**      **UN No. 1263**

**Pack sizes**      4 litre, 20 litre

Authorised:      A. De Mello, Sales Manager

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These technical data and recommendations are based on tests and information believed to be accurate at the time of printing. They should not be construed as containing any warranty, either expressed or implied. Users should conduct their own tests to determine final suitability of this product.



**Wagon Paints**

**5 Stephenson Road, Bayswater North, Victoria 3153 Australia**  
**Phone: 61 3 97291344 Fax: 61 3 97202179 Email: sales@wagonpaints.com.au**