

# All Purpose Enamel

## DESCRIPTION

- general purpose enamel

## PRINCIPAL CHARACTERISTICS

- suitable for interior (and medium term exterior) use where a fast drying enamel is necessary, it is hard wearing and available in a wide range of colours
  - ideal for use on structural steel, and smaller machinery such as forklifts and trailers. Not recommended for prolonged exterior exposure, or aggressive chemical environments
- note: we advise that you test this product to determine if it is suitable for your particular use

## COLOURS AND GLOSS

- available in the full range of AS2700 colours & RAL colours through the Ultratint Industrial Tinting System, other colours are available on request

## BASIC DATA AT 25°C and 50% RELATIVE HUMIDITY

- vehicle type ..... synthetic alkyd
- viscosity @ 25°C ..... 55-60 seconds in BS4 cup
- solids content ..... 35± 2% (by volume)
- abrasion resistance ..... good
- chemical resistance ..... splash – fair
- solvent resistance ..... splash – fair
- heat resistance ..... will withstand dry heat up to 125°C
- weather resistance ..... fair - good
- typical film thickness (per coat) ..... wet - 70 microns, dry – 25 microns
- theoretical spreading rate ..... 14 m<sup>2</sup>/l at the recommended dry film thickness per coat
- touch dry after ..... 20-30 minutes
- dry to handle ..... 1 hour (at 25 micron dft)
- hard dry ..... 4 – 6 hours
- overcoating interval ..... within 6 hours, or after 16 hours
- shelf life (cool and dry place) ..... up to 2 years

## SURFACE PREPARATION

- **new surfaces** - remove any rust or mill-scale with a wire brush or mechanical sander degrease thoroughly, apply one coat of a suitable Wattyl Industrial Metal Primer
- **previously coated surfaces** - mechanically sand with a 220-240 grade abrasive to provide a key then overcoat with All Purpose Enamel
- substrate temperature should be at least 3°C above dew point

## INSTRUCTIONS FOR USE

- may be thinned up to 20% with Industrial Enamel Thinner
- too much thinner will result in low sag resistance and slower cure
- stir thoroughly with a flat-bladed or mechanical stirrer before, and during use
- may be applied by conventional, electrostatic or airless spray
- relative humidity should not exceed 85%
- adequate ventilation must be continuously maintained during application and curing
- for recommendations outside those contained in this data sheet, refer to Wattyl
- **AIRLESS SPRAY**
  - recommended thinner ..... Industrial Enamel Thinner
  - volume of thinner ..... up to 10%
  - nozzle orifice ..... approximately 0.33mm (=0.013 inch)
  - nozzle pressure ..... 12 Mpa (1700 p.s.i.)

- **AIR SPRAY**
  - recommended thinner ..... Industrial Enamel Thinner
  - volume of thinner ..... up to 20%
  - nozzle orifice..... 1.6 – 2.0mm
  - nozzle pressure ..... 0.3 – 0.4 MPa (43-57 p.s.i.)
- **BRUSH/ROLLER** (for spot repair and stripe coating only)
  - recommended Thinner ..... Mineral Turps
  - volume of Thinner ..... up to 10% v/v
- **CLEANING SOLVENT** ..... Industrial Enamel Thinner

**SAFETY PRECAUTIONS**

- highly flammable. Avoid contact with heat and naked flame
- avoid contact with skin and eyes
- use gloves, mask and goggles during application
- provide adequate ventilation when using in confined spaces
- refer Safety Information Sheets 2430, 2431, 2433, 2434
- for further information refer to the relevant Material Safety Data Sheet
- this product is intended for use in industrial situations by professional applicators in accordance with the advice given on this sheet. All work involving the use and application of this product should be carried out in compliance with all relevant Health, Safety & Environmental standards and regulations and should not be used without reference to the Material Safety Data Sheet (MSDS)

**PACKAGING GROUP II****UN NO 1263 PACKAGING 4 litres, 20 litres****1. This information is provided with respect to the listed Wattyl products. Wattyl recommends that:**

(a) you review the Technical Data Sheets (TDS) and Material Safety Data Sheets (MSDS) before you use or handle the product; (b) the product be used only in accordance with the information provided by Wattyl; (c) the product be transported, stored and handled in accordance with the information on the MSDS and relevant TDS; and (d) you thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product.

2. The information in this technical data sheet was prepared using information gathered during product development. While Wattyl endeavours to update this information and maintain the accuracy and currency of its contents, Wattyl cannot guarantee that the information provided is wholly comprehensive.

3. Wattyl recommends that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest Wattyl Office.

4. To the full extent permitted by law, Wattyl's liability for breach of a condition or warranty implied into the contract for sale between Wattyl and you by law is limited at Wattyl's election to: (a) the replacement of the product; or (b) payment of the cost of replacing the product.