

## TECHNICAL DATASHEET

# ALKYD ENAMEL

## GLOSS, SEMI-GLOSS, MATTE

### PRODUCT DESCRIPTION

Enamel is a high quality interior/exterior alkyd-based enamel with high opacity and color retention, excellent durability and resistance to chalking.

### PRODUCT BENEFITS

- 1- Non-toxic after drying, Free of lead
- 2- Perfect adhesion & Color retention
- 3- Excellent hiding power
- 4- Sag resistance
- 5- Excellent durability and washability
- 6- High resistance to salt spray, UV emissions and weathering conditions
- 7- High temperature stability

### RECOMMENDED USES

All interior and exterior walls, concrete and ferrous surfaces.

Enamel paint is also used on wood to provide a decorative aspect as well as waterproofing properties and high durability. Treated surfaces last much longer and are much more resistant to wear.

### SURFACE PREPARATION

Surfaces should be solid, clean and dry, free from oil, grease, salt, dust and other contaminants.

- 1- Alkaline and acid surfaces should be cleaned and neutralized.
- 2- Deteriorated previous coatings, weak and blistered paints or chalky substances should be removed by scrapers, paint removers or flame spraying.
- 3- Non-disintegrated paints or glossy surfaces of previous coatings should be roughened slightly with sand paper to ensure good intercoat adhesion.

## PHYSICAL AND CHEMICAL PROPERTIES

### Physical Properties

Physical State	Viscous Liquid
Appearance	Gloss, semi-gloss, matt
Color Range	cf. catalogue
Temperature	25°C
Specific Gravity, ISO 2811	1.2± 0.05 g/cm <sup>3</sup>
Viscosity, ISO 2884	19-21 Poises (Gloss) 14-16 Poises (Semi-gloss and matt)
Drying Time, ASTM D5894	2- 3 hrs
Wet Film Thickness, ISO 2808	100 µm
Dry film Thickness, ISO 2808	60 µm
Recoat Time	5-7 hours
Coverage	40-45 s.q.m. per US gallon
Opacity, ISO 6504-3	> 90 %
Sag Resistance, ASTM D3730	Excellent
Leveling, ASTM D2801	Excellent
Hardness, ISO 1522	Excellent

### Chemical Properties

Solids by Weight	65-70 %
Solids by Volume	55-60%

## PRIMING/THINNING/APPLYING

Prime the surface with Undercoat white with specific dilution of 20- 25% depending on the surface condition.

Prime steel surfaces with Metal Primer as a pre-coating, with a dilution rate of 20% (white spirit).

Thin with White Spirit (15% for brush/roller and spray application). Thickness of paint film depends on condition of surface.

Apply 2-3 coats depending on the color of the product.

## PACKING

In cylindrical tin containers of the following capacities:

- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1 Pail (5 U.S.G.) = 20L

## STORAGE

Avoid frost & excessive heat

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.

All details about working with our products should be adapted to prevailing local conditions and materials used.