

Technical Data Sheet

HR ENAMEL

Matte Finish Enamel Paint



Product Description

HR ENAMEL is a premium quality matte finish enamel paint formulated for metal, wood, and other surfaces requiring a durable, smooth, and elegant finish. It offers excellent coverage, adhesion, and long-lasting protection, combining aesthetic appeal with functional durability.

Features & Benefits

- **Matte Elegant Finish:** Smooth, non-reflective surface for a professional look.
- **Durable & Long-Lasting:** Resistant to abrasion, weather, and daily wear.
- **Excellent Adhesion:** Bonds well to metal, wood, and previously painted surfaces.
- **Rust & Corrosion Protection:** Provides a protective layer for ferrous metals.
- **Easy Application:** Brush, roller, or spray-friendly.
- **Quick Drying:** Reduces downtime between coats.

Recommended Uses

- Metal surfaces (doors, windows, gates, furniture).
- Wooden surfaces (cabinets, furniture, decorative elements).
- Previously painted surfaces requiring a smooth matte finish.
- Interior and exterior applications where a low-sheen protective finish is desired.



Technical Properties

Property	Typical Value
Composition	Synthetic resin enamel, pigment, additives, solvent
Finish	Matte
Colour	Standard shades / Custom tints
Density	1.2 – 1.4 kg/L (approx.)
Solids by Volume	40–45%
Viscosity	80–100 KU (approx.)
Theoretical Coverage	10–12 m ² /L per coat (depends on surface)
Recommended Number of Coats	2 coats
Touch Dry Time	30–60 minutes



Hard Dry	4–6 hours
Recoat Interval	6–8 hours
Dry Film Thickness (per coat)	25–30 μm
Shelf Life	12 months (unopened, cool dry place)

Surface Preparation

New Surfaces:

- Clean, dry, and free from dust, grease, and loose material.
- For metal surfaces, remove rust, mill scale, and oxidation; prime if necessary.
- For wood, sand smooth and remove dust.

Previously Painted Surfaces:

- Remove loose or flaking paint.
- Sand lightly for adhesion.
- Spot-prime bare areas.

Application Instructions

Thinning:

- Ready to use; if needed, thin with recommended solvent (white spirit) up to 5–10% for brush or spray application.

Application Methods:

- Brush, Roller, Airless Spray

Environmental & Substrate Conditions:

- Apply in temperatures 10°C – 40°C.
- Avoid application in wet or high humidity conditions



Drying Times

Stage	Time
Surface Dry	30–60 minutes
Hard Dry	4–6 hours
Recoat Interval	6–8 hours

Safety & Handling

- Flammable – keep away from sparks, flames, or heat.
- Avoid contact with eyes and prolonged skin exposure.
- Use in well-ventilated areas.
- Dispose of containers according to local regulations.

Warranty & Disclaimer

Information provided is based on laboratory tests and manufacturer's knowledge. Variations in surface condition, application, or environment may affect performance. Test a small area prior to full application for optimal results.

