

Website: www.rudrapaint.com
E Mail:- rudrapaint@yahoo.com

RUDRA PAINT



PLOT NO. 60/61, PANDOL INDUSTRIAL AREA, VED ROAD, KATARGAM,
SURAT, GUJARAT -395004

TECHNICAL DATA SHEET RP-401

SYNTHETIC ENAMEL PAINT

PRODUCT DESCRIPTION

Rudra Paints Synthetic Enamel Paint is a single-component, alkyd and petroleum hydrocarbon resin-based high-performance coating that functions as both a primer and a finishing paint. It provides excellent resistance to water, alkalis, corrosion, abrasion, and various chemicals, making it suitable for demanding industrial and commercial applications in diverse climatic conditions.

RECOMMENDED APPLICATIONS

Rudra Paints Synthetic Enamel Paint is specially formulated for protecting and decorating:

- Bridges
- Gates & Railings
- Pipelines
- Castings
- Automobile Parts
- Storage Tanks
- Structural Steel
- Fertilizer Plants
- Chemical Plants
- Industrial Equipment
- Fabricated Metal Components

PRODUCT FEATURES

- Excellent corrosion resistance
- Excellent abrasion resistance
- Dual-purpose coating (Primer + Finish Coat)
- Excellent resistance to acids, alkalis, and corrosive chemicals
- High gloss smooth finish
- Good adhesion on properly prepared steel surfaces
- Durable alkyd resin technology for long-term protection
- Suitable for industrial and general engineering applications

TECHNICAL SPECIFICATIONS

Property	Specification
Product Type	Synthetic Enamel Paint
Resin Base	Alkyd & Petroleum Hydrocarbon Resin
Finish	Glossy Smooth
Colour	As per Customer Requirement
Flash Point	25°C
Viscosity	80 ± 10 Seconds
Film Thickness	35–40 Microns per Coat
Theoretical Coverage	Approximately 80 sq.ft./Litre per Coat

PERFORMANCE CHARACTERISTICS

Test	Performance
Scratch Hardness	No exposure of metal substrate (Pass)
Conical Mandrel	No cracking or crazing
Adhesion	No peel-off
Salt Spray Resistance	Good
Thermal Stability	Stable up to 120°C with no effect on coating

SURFACE PREPARATION

For optimum performance:

- Surface must be clean, dry, and free from oil, grease, dust, rust, and loose particles.
- Remove all contaminants before application.
- Bare steel should preferably be prepared by abrasive blast cleaning or shot blasting.
- Ensure proper surface preparation according to the service environment.

APPLICATION CONDITIONS

Parameter	Recommendation
Relative Humidity	Maximum 50%
Ventilation	Good ventilation required, especially in confined areas
Force Dry Flash-Off	10–15 Minutes

Important Notes

- Do not use heated air until solvents have completely evaporated.
- Premature heating may cause solvent entrapment and surface defects.
- During application and initial drying, avoid exposure to high humidity to prevent gloss reduction.

APPLICATION METHOD

Stir the paint thoroughly before use.

If required, add recommended thinner according to the application method.

Can be applied using:

- Spray
- Brush
- Roller
- Dipping

POT LIFE

Not Applicable (Single Pack Product)

DRYING TIME

Drying time depends on:

- Air circulation
- Ambient temperature
- Film thickness
- Number of coats

Surface Temperature	Surface Dry
-10°C	6 Hours
0°C	5 Hours
10°C	4 Hours
25°C	3 Hours
40°C	2 Hours

Hard Dry: Approximately **24 Hours**

Recoating Interval: Minimum **2 Hours**

STORAGE

Store in tightly closed original containers.

Recommended storage conditions:

- Cool and dry place
- Well-ventilated area
- Away from direct sunlight
- Away from heat, sparks, and ignition sources

Store in accordance with applicable national safety regulations.

HANDLING

- Stir thoroughly before use.
- Handle containers carefully.
- Use recommended protective equipment during application.

PACK SIZE

- 20 Litres
- 200 Litres

HEALTH & SAFETY

- Use only in well-ventilated areas.
- Do not inhale vapours or spray mist.
- Avoid prolonged skin contact.
- Wear suitable gloves, eye protection, and respiratory protection where required.
- In case of skin contact, wash immediately with soap and water.
- In case of eye contact, rinse thoroughly with clean water and seek medical attention immediately.
- Keep out of reach of children.
- Refer to the Material Safety Data Sheet (MSDS) before use.



Mfg by **RUDRA ENTERPRISE**

Website: www.rudrapaint.com

E Mail:- rudrapaint@yahoo.com

THE FUTURE OF SURFACE PROTECTION

XXXXXXXXXX-----XXXXXXXXXX