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RUDRA PAINT

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

TECHNICAL DATA SHEET RP-305

2K EPOXY PAINT

RECOMMENDED USE

2K Epoxy Paint is a two-component protective coating system formulated using epoxy resin and a suitable curing agent to provide a durable, hard, and chemically resistant finish. After mixing the two components in the specified ratio, the coating undergoes a chemical curing process to develop a strong, adherent film with excellent mechanical properties and long-term surface protection.

The coating offers good adhesion to properly prepared metal and other compatible substrates, providing resistance against abrasion, impact, moisture, and a range of industrial chemicals. Its durable film helps protect surfaces from corrosion and deterioration under suitable service conditions. The cured coating provides a smooth, uniform finish with good hardness and durability, making it suitable for demanding industrial and commercial applications.

PHYSICAL DATA

Colour	Assorted shades
Finish	Glossy/Semi glossy/Matt
Solids By Volume	49±3%
Theoretical Coverage	10 sq.mtr / ltr at recommended DFT of 40 µ

FLASH POINT	
Base	Normal
Hardener	Normal
Mixed	Normal

DRYING CHARACTERISTICS	
Surface dry	20-30 Minutes
Hard dry	24 Hours
Full cure	7 Days

(At 30 degree Celsius and 65% Relative humidity)

SHELF LIFE: 9 months in sealed container.

APPLICATION DATA

Mixing Ratio	BASE : 4 AND HARDENER : 1
Maturation Time	30 minutes
Pot Life	6 hours at 30 degree C
Application	Brush / Air spray / Airless spray
Recommended Dft	30 microns
Overcoating Interval	MIN: 8 hours; MAX: 24 hours

RESISTANCE GUIDE

Chemical Resistance
Exposure Splash and Spillages Mild Fumes/outdoor Resistance

Acids	Good
Alkalis	Good
Solvents	Very Good
Salt	Very Good
Water	Very Good
Weather Ability	Very good with suitable top coat
Flexibility	Good

Temperature Resistance	
Continuous	93°C
Intermittent	120°C

SURFACE PREPARATION

Remove grease, oil and other contaminants preferably using degreasing solvent. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces.

HEALTH & SAFETY

All work involving the application and use of this product should be performed in compliance with all relevant National Health, Safety & Environmental standards and regulations.

Prior to use, obtain, consult and follow the Material Safety Data Sheet for this product concerning health and safety information. Read and follow all precautionary notices on the Material Safety Data Sheet and container labels. If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use this product.

Proper ventilation and protective measures must be provided during applying and drying to keep solvent vapor concentrations within safe limits and to protect against toxic or oxygen deficient hazards. Take precautions to avoid skin and eye contact (i.e. gloves, goggles, face masks, barrier creams etc.) Actual safety measures are dependent on application methods and work environment. This is a solvent based primer and care should be taken to avoid inhalation of spray mist or vapor as well as contact between the wet paint and exposed skin or eyes

APPLICATION METHOD

1. Stir the Base part thoroughly. Mix the base and hardener as per our recommended ratio of 4 : 1 by volume. Stir & mix thoroughly to attain homogeneity.
2. Add thinner into the mix, if required, depending on application method, and stir thoroughly for few minutes.
3. Allow the mixture to stand still (maturation) for about 10-15 minutes to initiate the reaction. apply uniformly over the surface.
4. All equipment used for above should be properly cleaned.

Application:

By Brush/By Air Spray/By Airless Spray
For Brush application, a maximum of 5% thinner, if required, is to be added.
Use quality brushes for paint application
For Air spray application: 10-15%
For Airless spray application: Max 5%
Nozzle Orifice: 1 .2 -1 .4 mm for air spray and Nozzle Orifice: 0.28 mm for airless spray.
Nozzle Pressure: 40-70 p.s.i for air spray and Nozzle Pressure: 1400-1800 psi for airless spray.

ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet contact us.

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Mfg by **RUDRA ENTERPRISE**

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Your Safety is Our Motto

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