

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- 620

ANTI-MAGNETIC COATING

Product Description:

Anti magnetic coating is a high-performance anti-magnetic coating designed to attenuate low-frequency magnetic fields and suppress electromagnetic interference (EMI). It is suitable for electronics, medical devices, aerospace, and laboratory equipment.

Key Features:

- Excellent magnetic shielding capability (up to 30 dB at 50/60 Hz)
- Non-conductive and corrosion-resistant
- Heat and moisture resistant
- Easy application on metal, plastic, or composite surfaces
- Low surface resistivity (when required)

Typical Applications:

- MRI rooms
- Magnetic sensors and precision instruments
- Aerospace electronics
- Defence systems
- High-end audio equipment

Technical Specifications:

Property	Specification
Base Material	Polyurethane / Epoxy / Acrylic
Shielding Material	Mu-metal, Carbon nanomaterials, Nickel-Zinc ferrite
Shielding Effectiveness	20–30 dB @ 50–60 Hz
Coating Thickness	50–200 µm (microns) per layer
Application Method	Spray, Brush, or Dip
Curing Time	24 hrs (air dry) / 2 hrs @ 80°C
Operating Temperature	- 40°C to +150°C
Surface Resistivity	10 ⁶ –10 ⁸ ohm/sq (optional)
Adhesion	ASTM D3359: 5B
Hardness	ASTM D3363: 2H–3H
Colour	Clear ,Grey, Black
VOC Content	< 100 g/L (Low-VOC compliant)

Standards & Compliance:

- RoHS Compliant
- REACH Compliant
- ASTM D4935 (for EMI shielding)
- ISO 9001 Certified Manufacturing

Storage & Shelf Life:

- Store at 5°C–25°C
- Shelf life: 12 months in sealed container

Health & Safety:

Refer to the Material Safety Data Sheet (MSDS) for handling precautions and first-aid measures.

Note:

Actual performance may vary depending on substrate, application method, and environmental conditions. Conduct pre-testing for critical applications.



Mfg by **RUDRA ENTERPRISE**

Website: www.rudrapaint.com

E Mail:- rudrapaint@yahoo.com

THE FUTURE OF SURFACE PROTECTION

XXXXXXXXXX-----XXXXXXXXXX