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

TECHNICAL DATA SHEET RP-608

STRUCTURE PAINT

PRODUCT DESCRIPTION

Rudra Paints STRUCTURE PAINT 608 is a two-component epoxy polyamide-based protective coating designed for high-performance applications. It offers excellent resistance against water, acids, alkalis, and corrosive chemical fumes.

This coating provides superior protection to metal surfaces exposed to aggressive climatic conditions and is suitable for use as an anti-corrosive coating for structures above and below water level.

RECOMMENDED USE

STRUCTURE PAINT 608 is specially formulated for various industrial and structural applications, including:

- Bridges and gates
- Pipelines
- Castings
- Storage tanks
- Structural steel works
- Fertilizer industries
- Refineries
- Chemical-resistant areas
- Marine and ship structures
- Structures located in coastal environments

PRODUCT HIGHLIGHTS

- Excellent corrosion resistance
- Excellent abrasion resistance
- High resistance to acids, alkalis, and corrosive chemical atmospheres
- Polyamide resin-based formulation provides excellent protection in aggressive environments
- Prevents corrosion of the base metal and increases service life of structures

Special Feature:

Rudra Paints can specially manufacture this product as a **Direct-to-Metal (DTM) coating** as per customer requirements.

FILM THICKNESS & SPREADING RATE

Recommended Dry Film Thickness:
75–100 microns (as per requirement)

Theoretical Coverage:
8 sq. meters per litre per coat at 35 microns DFT

Actual coverage may vary depending on surface condition, application method, and required film thickness.

PHYSICAL PROPERTIES

Property	Specification
Colour	Available in all shades
Appearance	Smooth Satin Finish
Flash Point	25°C
Viscosity	180 ± 10 seconds

PERFORMANCE PARAMETERS

Test	Result
Scratch Hardness	No exposure of metal substrate; passes test
Conical Mandrel Test	No film cracking or crazing
Adhesion Test	No peel-off
Salt Spray Resistance	1500 hours
Thermal Stability	No effect on coating surface at 200°C

SURFACE PREPARATION

All surfaces must be clean, dry, and free from rust, oil, grease, dust, and other contaminants before application.

For bare steel surfaces:

- Surface preparation by abrasive blasting is recommended.
- Shot blasting should be carried out to achieve proper surface cleanliness and coating performance.

APPLICATION CONDITIONS

Environmental Conditions:

- Relative humidity should be controlled and preferably maintained below 50% during application.
- Proper ventilation is required, especially in confined areas, to ensure correct drying.

Important Note:
Do not use heated air until solvents have completely evaporated from the paint film. Premature heating may cause surface drying and solvent entrapment.

During application and initial drying, avoid exposure to high humidity conditions as it may affect coating gloss and performance.

APPLICATION METHOD

- Mix base and hardener thoroughly in a **4:1 ratio**.
- Add recommended thinner if required depending on application method.
- Application can be carried out by:
 - Airless spray
 - Conventional spray
 - Dipping method

POT LIFE

The mixed paint should be used within **6 hours** after mixing the base and hardener.

DRYING TIME

Drying time depends on:

- Temperature
- Air circulation
- Film thickness
- Number of coats
- Environmental conditions

Typical Drying Schedule

Substrate Temperature	-10°C	0°C	10°C	25°C	40°C
Surface Dry	6 hrs	5 hrs	4 hrs	3 hrs	2 hrs
Hard Dry	-	24 hrs	24 hrs	24 hrs	24 hrs

Recoating Time:
Second coat can be applied after approximately **2 hours** (depending on conditions).

STORAGE

Store the product in accordance with applicable national regulations.

Storage requirements:

- Keep containers in a cool, dry, and well-ventilated area.
- Keep away from heat sources and ignition points.
- Keep containers tightly closed when not in use.

HANDLING

- Handle with care.
- Stir well before use.
- Follow all safety instructions provided on the container label.

PACKING

Pack Size: 20 Litres

Packing: 16 Litres Base + 4 Litres Hardener

HEALTH & SAFETY

- Use only in well-ventilated areas.
- Avoid breathing paint mist or vapours.
- Avoid direct skin contact.
- In case of skin contact, immediately clean with suitable cleanser, soap, and water.
- In case of eye contact, flush thoroughly with clean water and seek medical attention immediately.
- Always follow precautionary instructions displayed on the container.



Mfg by **RUDRA ENTERPRISE**

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THE FUTURE OF SURFACE PROTECTION

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