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

TECHNICAL DATA SHEET RP- 618

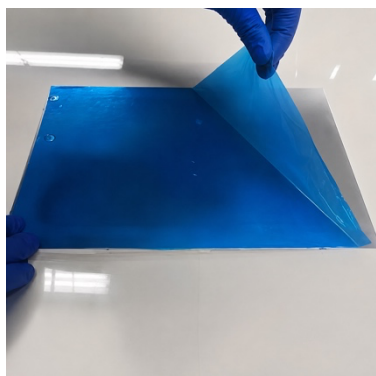
PEELABLE PROTECTIVE COATING

RUDRA PEELABLE COATING 1K

Product Description

RP - 618 is a premium single-component (1K) peelable protective coating developed with advanced polymer technology to provide temporary surface protection for a wide range of industrial substrates.

When spray applied, the coating forms a durable, flexible, and continuous film that protects surfaces from contamination, mechanical damage, and environmental exposure during manufacturing, storage, transportation, fabrication, and installation. Once protection is no longer required, the coating can be removed easily in one continuous sheet without leaving adhesive residue or affecting the original surface finish.



Key Features

- Easy one-piece peel-off removal
- No adhesive residue after peeling
- Excellent temporary surface protection
- Resistant to dust, dirt, grease, oil and industrial contamination
- Protects against welding sparks, grinding dust and paint overspray
- Excellent resistance to water, acids, alkalis, salts and industrial gases
- Flexible and durable protective film

- Suitable for indoor and outdoor handling applications
- Ready-to-use single-component system
- Fast drying and easy application

Typical Applications

RP - 618 is recommended for temporary protection of:

- Stainless Steel
- Mild Steel
- Carbon Steel
- Galvanized Iron (GI)
- Glass
- Ceramic Surfaces
- Decorative Metal Panels
- Architectural Components
- Fabricated Metal Parts
- Industrial Equipment
- Precision Components
- Transported Finished Goods

Ideal during:

- Manufacturing
- Fabrication
- Storage
- Transportation
- Assembly
- Installation
- Construction Projects

Surface Preparation

Before application:

- Ensure the surface is clean and dry.
- Remove oil, grease, dust, moisture and loose contaminants.
- The substrate should be free from wax, silicone and other impurities.

Application Method

- Apply using conventional or airless spray equipment.
- Apply multiple uniform coats to achieve the required dry film thickness.
- Allow 5–10 minutes flash-off between coats.
- Ensure adequate ventilation throughout application and drying.
- Allow complete curing before peeling.

Removal

After curing, lift one edge of the coating and peel slowly. The protective film removes cleanly in one continuous sheet without damaging the substrate or leaving residue.

Technical Properties

Property	Value
Colour	Dark Blue
Finish	Semi-Gloss
Dry Film Thickness	100–150 µm
Dry to Touch	Approximately 20 minutes
Ready to Peel	2–3 Hours
Full Cure	Approximately 8 Hours
Heat Resistance	Up to 100°C (Intermittent)
Application Temperature	Minimum 6°C
Surface Temperature	5°C – 40°C
Maximum Humidity	85% RH
Water Resistance	Excellent
Acid Resistance	Excellent
Alkali Resistance	Excellent
Salt Resistance	Excellent
Gas Resistance	Excellent

Suitable Substrates

- Stainless Steel
- Mild Steel
- Carbon Steel
- Galvanized Iron (GI)
- Glass
- Ceramic Surfaces

Health & Safety

- Use appropriate personal protective equipment (PPE).
- Apply only in well-ventilated areas.
- Avoid contact with eyes and skin.
- Refer to the Material Safety Data Sheet (MSDS) before use.

Storage

Store in tightly closed original containers in a cool, dry and well-ventilated area away from direct sunlight, heat and frost.

Storage Temperature: 5°C–25°C

Shelf Life: 12 Months

Packaging

Available in:

- 20 Litre
- 40 Litre

(Custom packaging available on request.)

Disclaimer

The information contained in this Technical Data Sheet is based on laboratory testing and practical experience. Users should evaluate the product under actual operating conditions to determine its suitability for their specific application.



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THE FUTURE OF SURFACE PROTECTION

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