

PREBOND-58 (Rust Remover Solution)



★ **PRODUCT NAME: PREBOND-58 (Rust Remover Solution)**

Clear Name: Effective & Economic Rust Remover, Light Oil Remover and Temporary Rust Preventive Solution

★ **PRODUCT DESCRIPTION: PREBOND-58** is a ready-to-use, water-based, phosphoric acid and zinc phosphate-based metal treatment solution developed for effective rust removal, light oil cleaning and temporary rust prevention applications. The solution removes rust and light oil efficiently while leaving a thin protective conversion film that helps prevent flash rusting for approximately 30*–45* days under normal indoor storage conditions. It is suitable for dipping, brushing and swabbing methods and eliminates the need for additional rust preventive oil or wax.

★ **KEY FEATURES & BENIFITS:**

- Non-flammable and economical in use.
- Reduces cleaning time and process cost.
- Temporary rust protection for 30–45 days.
- Suitable for dipping, brushing and swabbing.
- Fast removal of rust, oxidation and light oil.
- Improves paint and powder coating adhesion.
- Ready-to-use formulation & no mixing required.

★ **PHYSICAL PROPERTIES :**

Property	Specification
Appearance	Clear Colorless Liquid
Concentration	Ready to solution (do not mix water or thinner in use)
Viscosity @ 27°C	12 Seconds
pH	2–4 @ 27°C
Density	1.10 g/cc
Film Thickness	Approx. 0.08 micron (Delta Meter)
Flammability	Non-Flammable
Application Equipment	Plastic Bath / Plastic Bucket (Do not use MS container)
Coverage	150–200 Sq. Ft. area in per litre



PREBOND-58 (Rust Remover Solution)

★ RECOMMENDED APPLICATION:

- Automobile components • fabricated steel structures • cast iron parts • machine components • CR sheets
- powder coating pretreatment • maintenance workshops • structure painting • general metal cleaning etc.

★ APPLICATION METHOD:

1. Dipping Method (Recommended for Small Components):

- Immerse the rusted component completely in **PREBOND-58** for 05–10 minutes.
- Do not rub or scrub the component during immersion. The solution automatically dissolves rust from the metal.
- Remove the component and wipe it dry using a clean cotton cloth. Do not rinse with water.
- After drying, a grey-coloured zinc phosphate coating is formed, providing temporary corrosion protection for approximately 01–02 months under normal storage conditions.
- No additional rust preventive oil is required for temporary storage.

2. Wipe / Brush Method (For Large Structures Before Painting or Powder Coating)

- Remove loose or heavy rust using a wire-brush or sand-paper.
- Apply **PREBOND-58** directly using a clean cotton cloth or brush.
- Allow the solution to react for 02 minutes.
- Thoroughly wipe the surface with a clean, dry cotton cloth.

★ PACKING & STORAGE: 05 & 20 Liters in Plastic Drums.



For, more any other technical details of the products & our services, please contact us. +91-9011926733, +91-9307742241

alexindia20@gmail.com, www.acidresistantpaint.com, www.alexindia.in

PREBOND-58 – Anti Rust Chemical

Anti Rust Chemical

Water-Based Rust Remover & Rust Preventive Solution for Steel and Industrial Metal Surfaces

Overview

PREBOND-58 is a water-based anti rust chemical formulated as a non-acidic-feel, non-toxic, ready-to-use rust remover-cum rust preventive solution. It effectively removes rust and light oil from metal surfaces, acting as a reliable rust converter, and delivers zinc phosphate rust protection that guards against further corrosion for the next 60 to 90 days without requiring additional rust preventive oil or wax.

Built on a phosphoric acid and zinc phosphate primer specification, PREBOND-58 is suitable for steel, cast iron, stainless steel, mild steel, CR sheets and other fabricated components. This makes it a dependable choice whenever people ask what is the best rust remover for car parts, since it is widely used across automobile component manufacturing and general fabrication work.

PREBOND-58 is commonly used before painting and powder coating as a pre-paint metal treatment, showing how to remove rust from metal before painting in a single, cost-effective step. It is well suited to fabrication industries, automotive industries and industrial maintenance, offering an economical option for both dipping and swabbing application processes.

Key Benefits

Water-based anti rust coating liquid that is non-toxic and ready-to-use

Removes rust and light oil effectively — doubles as a rust converter

Delivers 60-90 days of zinc phosphate rust protection without additional oils

Formulated to a phosphoric acid and zinc phosphate primer specification

One of the best rust remover options for car parts and automobile components

Ideal pre-paint metal treatment — removes rust from metal before painting

Cost-effective metal cleaning solution

Suitable for dipping and swabbing processes

Technical Specifications

Appearance	Clear Colorless Liquid
Viscosity at 27°C	12 second
pH	2-4 at 27°C
Density	1.10 g/cc
Film Thickness	0.08 micron under delta meter
Flammability	Non-flammable
Application Equipment	Plastic Bath or Plastic Bucket (Do not use MS container)

Coverage area	150-200 Sq. Ft. area in per liter
Packing & Storage	05 & 20 Liters in Plastic Drum

Industrial Applications

PREBOND-58 is ideal for automobile component parts, cast iron, mild steel, stainless steel, cold rolled sheets, and fabrication works. It is used before painting and powder coating to remove rust and provide rust preventive protection during storage and handling.

Industries Using PREBOND-58 Anti Rust Chemical

Automobile Industry

Rust removal and rust prevention for automobile component parts before assembly or painting.

Steel Fabrication

Cleans MS, SS and CR sheets used in structural and fabrication works.

Machine Components

Protects cast iron and machined metal parts from rust during production and storage.

Powder Coating Plants

Prepares metal surfaces for powder coating by removing rust and light oil beforehand.

Metal Surface Preparation

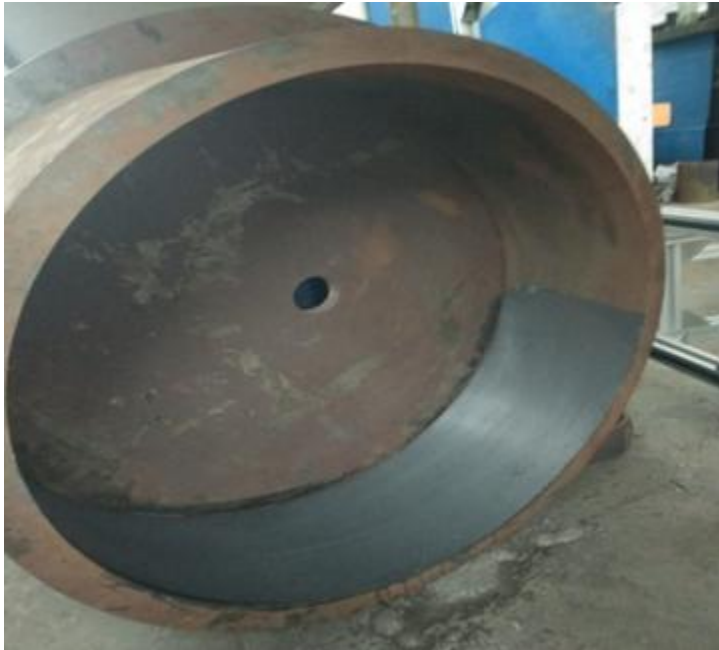
Used as a pre-paint metal treatment to ensure better adhesion and coating performance.

Storage & Handling

Provides temporary rust protection for metal components during storage and transit.

Product Gallery





Frequently Asked Questions

What is PREBOND-58 used for?

PREBOND-58 is used to remove rust and light oil from steel, cast iron, stainless steel and fabricated metal components while providing temporary rust protection before painting or powder coating.

Is PREBOND-58 water based?

Yes. PREBOND-58 is a water-based anti rust chemical formulated for industrial metal cleaning and rust prevention.

Can PREBOND-58 be used before powder coating?

Yes. PREBOND-58 prepares metal surfaces before painting and powder coating by improving surface cleanliness and helping achieve better coating performance.