



PRODUCT NAME: PREBOND-BC400 (Heat Resistant Black Paint 400°C)

Direct-to-Metal Coat Technology for Durable Protection against High Temperature, Harsh Weather & Corrosion



PRODUCT DESCRIPTION: PREBOND-BC400 is a premium grade, single-component, ready-to-use heat resistant black coating based on modified silicone resin and heat stable black pigments. It is specially developed to provide long-term protection to metal surfaces exposed to elevated temperatures up to 400°C under dry heat conditions.



KEY FEATURES:

- Dry heat resistance up-to 400°C.
- Fast drying and easy application.
- Good weather and corrosion resistance.
- Single component, ready-to-use coating.
- Excellent colour stability at elevated temperatures.
- Excellent adhesion on properly prepared steel surfaces.



TECHNICAL DATA:

Property	Specification
Colour	Smooth Black Finish
Binder Type	Modified Silicone Resin
Specific Gravity	1.10 ± 0.05
Volume Solids	50 ± 2%
DFT per Coat	35–40 um microns per coat
Coverage	08–10 Sq. Mtr./Liter/Coat (theoretical)
Drying Time	Touch Dry: 10 min Hard Dry: 24 hrs
Adhesion	100% (IS 101 Cross Hatch) after heat curing
Scratch Hardness	Excellent after heat curing
Dry Heat Resistance	Stable, non-peeling, no flaking at 400°C
Acid/Alkali Fumes	Excellent (ASTM D6943)
Heat, U/v, Weather Resistance	Excellent 02*–03* years
Salt Spray	Passes 300 hrs (ASTM B117, 2 coats)



★ APPLICATION PROCEDURE:

Item	Details
Mixing	Ready to use; stir well before application.
Application Methods	Brush, roller, air spray or airless spray.
Thinner	Do not use any types of thinner on its application.
Recommended Coats	02 coats with 06 hours interval.
Surface Preparation	Remove rust and loose scale using wire brush.
Shelf Life	12 months in unopened container.
Packing	20 liters in printed mild steel drum.

★ **RECOMMENDED APPLICATION:** Recommended for chimneys, exhaust systems, silencers, boilers, furnaces, hot pipelines, stacks, ovens, heat exchangers, engine components, and other metal surfaces exposed to high temperatures.

★ WHY CHOOSE PREBOND-HR:

- 1. No Primer Needed:** Direct application on metal surface saves time & labour cost.
- 2. Result:** Hassle-free, error-free, faster application process with reliable heat protection.
- 3. Single-Component:** Ready to use. No mixing of black paste into varnish. No ratio errors.
- 4. Fast Drying:** Touch dry in 10 minutes. No tacky film or handling issues like conventional HR paints.

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

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