



CRC Industries NZ
Auckland NZ

I. Product Description

CRC Fire Paint Black Metallic/Black Satin is a single pack high temperature silicone based paint that rapidly cures to a durable heat and flame resistant protective coating for metal surfaces. Applied over bare metal or existing high temperature paint systems, it provides excellent colour retention and film integrity, withstanding temperatures up to 650°C. It has good resistance to abrasion once cured.

II. Features & Benefits

- **Heat & Flame Resistant** – Withstands temperatures up to 650°C
- **Protective Coating** – Resistant to abrasion once cured
- **Provides excellent colour retention & film integrity**
- **Single coat, primerless, fast drying** – Convenient, reduces downtime
- **Ready to Use Aerosol** – No additional mixing or chemical additives required. Easy application. No clean up.
- **Rust resistant coating**

III. Application and Directions

Must be applied over:

Bare metal or existing high temperature coating.

Can be overcoated with:

Itself.

Recommended System:

Designed as finish coat on bare metal.

Surface Preparation:

1. Remove corrosion – rust, mill scale and slag with a wire brush, emery paper or other suitable means.
2. Clean surface with CRC Brakleen or similar degreaser.
3. Where possible, abrade surface with disc grinding, wire brush or sandpaper.

AEROSOL APPLICATION:

1. Shake can until agitator ball is moving freely and then for at least 1 further minute to ensure content is thoroughly mixed.
2. Apply a thin coat with smooth even strokes to clean, dry surface holding can approximately 25cm from surface.
3. If required, apply a second coat immediately or any time later until desired coverage is achieved.
4. Heat item to 200°C for two hours to ensure paint film is fully cured.
5. When finished spraying, clean valve by turning can upside down and pressing button until only pressure escapes.

Note: DO NOT apply to hot surface. **DO NOT** use while stove is burning.

LIQUID APPLICATION:

- **Mix thoroughly before use.**
- Apply by airless, conventional spray or with electrostatic equipment.



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IV. Typical Properties and Characteristics

Physical Properties:

Resin Type	Silicone Resin
Colour	Black Metallic, Black Satin
Temperature Range	Up to 650°C
Reapplication period indoors	As required
Reapplication period outdoors	As required
Propellant (Aerosol)	Hydrocarbon

Performance Characteristics:

Touch Dry	30 minutes	
Full Cure	2 hours at a temperature of 200°C	
Viscosity #4 Ford Cup	30 - 40s	
Recommended DFT	20 – 50 microns	
Theoretical Coverage @ 25 micron DFT	Aerosol	Bulk (20L)
	1.5m ² /aerosol can	7.5m ² /litre
Clean up with	Toluene, Xylene or Enamel spraying thinners.	

V. Package Description

Part Number	Size
5134	Black Metallic 400ml Aerosol
5135	Black Satin 400ml Aerosol
5138	Black Metallic 20LT Pail
5139	Black Satin 20LT Pail

VI. Special Precautions

General:

The solvents in CRC Fire Paint Black Metallic / Black Satin are Highly Flammable. Keep away from naked flames, electrical appliances/lights, lighted cigarettes, etc. Use with adequate ventilation. Do not eat, drink or smoke while using. Store in a cool, well-ventilated area. Dispose of empty containers safely. All unused product should be disposed of in conformance with local and HSNO regulations, do not contaminate water supply. Refer to Material Safety Data Sheet for more details.

Aerosol Cans:

Do not puncture, incinerate or store above 50°C. Exposure to high temperatures may cause can to burst. Do not place in direct sunlight or near any heat source. Aerosol cans will conduct electricity. Keep away from all live electrical sources including battery terminals, solenoids, electrical panels and other electronic components. Failure to observe this warning may result in serious injury from flash fire and/or electrical shock.

First Aid:

Swallowed – Give water to dilute. Do not induce vomiting. Do not give milk or oil. Do not give alcohol. Get medical attention without delay.



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Technical Data Sheet

CRC Fire Paint Black Metallic/Black Satin – High Temperature Paint

Skin – Remove contaminated clothing and wash skin thoroughly with soap and water. Do not scrub skin. Apply cleansing cream. Wash contaminated clothing before reuse.

Eyes – Hold open and rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention without delay.

Inhalation – Remove to fresh air. If breathing with difficulty, get medical attention immediately.

TECHNICAL DATA SHEET Version 04/2015

PRODUCT WARRANTY: CRC offers a conditional warranty of this product for the period of 2 years from the date of manufacture.

DISCLAIMER: All information on this data sheet is based on testing by CRC Industries NZ. All products should be tested for suitability on a particular application prior to actual use. CRC Industries makes no representations or warranties of any kind concerning this data.