

# TECHNICAL DATA SHEET

## CORRONIL RS50 - IMPROVED CORROSION PROTECTIVE COATING

**PROVIDES LONG TERM RUST AND CORROSION CONTROL FOR METAL SURFACES.**  
**Stand-alone protective coating or shielding primer for further finishes.**

### NEW & IMPROVED:

- New 2nd generation Corronil RS50 is a major breakthrough in rust and corrosion protection.
- New strong, durable and resistant thermoplastic film
- Strengthened with a blend of polymeric chlorinated rubber and urethane modified alkyd resin
- Provides extraordinary protection from corrosion wherever it is used.

### FEATURES & BENEFITS:

- Premium protection from rust and corrosion
- Strong – flexible – transparent
- Highly stable – provides long term protection
- Will not crack, chip or peel
- Strong adhesion to most substrates
- Handles extreme temperatures of both hot and cold
- Finish is transparent black



### APPLICATIONS:

**IDEAL FOR USE IN CORROSIVE AND AGGRESSIVE INDUSTRIAL ENVIRONMENTS INCLUDING:**

- Automotive
- Marine
- Mining
- Power Stations
- Fertiliser Plants
- Oil and Gas Rigs
- Manufacturing Plants
- Agriculture

### IDEAL FOR USE ON

#### INDUSTRIAL

Conveyers, wharf cranes, gantries, heavy duty moving equipment, steel pipes, silos, roofing, cooling towers, machinery, stair cases, metal tanks, bridges, platforms, guard rails, steel towers, sheds, fences, gates and more.

#### AUTOMOTIVE

Cars, 4WD's, bikes, trucks, buses, motor homes, earth moving vehicles, mining vehicles, trailers and more.

#### MARINE

Metal ships and boats (inside), engine rooms, marine equipment and more.

### DIRECTIONS:

1. RS50 is a low viscosity, air-curing complex.
2. Light coats are all that is necessary to achieve full corrosion protection.
3. For long term protection, prepare surface thoroughly – if necessary spray wash with a prep-solvent or equivalent.
4. RS50 should be applied to a clean dry surface.
5. Additional coats may be applied to increase protection in difficult environments. Allow 24 hour intervals between coats.

*Please refer to current SDS for full safety instructions before use*

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### DURABILITY:

RS50 has been tested in a Salt Fog Chamber with over 500 hours exposure in accordance with test specification ASTM – B117 with no sign of rust or corrosion (see Figure 1). It is impossible to assimilate this ferocious test in ‘real life’ conditions; however, our Laboratory Scientists believe it equates to many years of exposure.

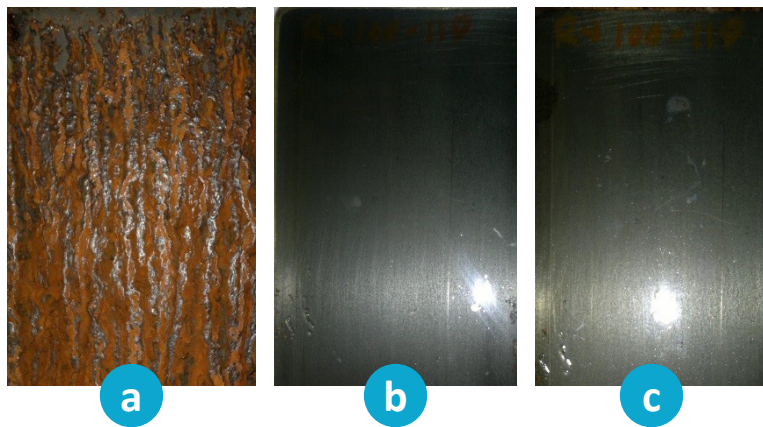


Figure 1. (a) Uncoated carbon steel plate after 168 hours of salt fog exposure (b) Carbon Steel Plate coated with RS50 (4 coats) before exposure and (c) Carbon Steel Plate coated with RS50 (4 coats) after 500 hours of salt fog exposure.

### TYPICAL SPECIFICATIONS:

<b>DESCRIPTION</b>	Low viscosity liquid with solvent odour
<b>SPECIFIC GRAVITY (g/cm<sup>3</sup>)</b>	0.90 — 0.95
<b>FLASH POINT</b>	>23°C
<b>SHELF LIFE</b>	2 years

### STORAGE & DISPOSAL:

The product is a flammable liquid. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

*Please refer to current SDS for full safety instructions before use*

### RS50 is available in:

<b>PRODUCT SIZE</b>	1Lt	4Lt	20Lt
<b>PRODUCT COLOUR</b>	BLACK	BLACK	BLACK
<b>PRODUCT CODE</b>	301-0001-57	301-0004-57	301-0020-57