

## Petcor 2920-A

Acid Resistant, Barium Rust Preventive

### Description

Petcor 2920-A is an acid-resistant, barium-containing rust preventive. It can be used to coat metallic parts with ultra-thin films that displace water, and protect from corrosion in acidic and humid atmospheres.

### Application

- Dissolve as little as 5% of Petcor 2920-A in a suitable solvent (e.g. D40); the resulting solution can be applied to metallic surfaces as required.
- Suitable for acidic and humid environments.

### Advantages

- Protects metals against a variety of acids (organic & inorganic).
- Offers good demulsification properties even at low additive concentrations.
- Soluble in a wide range of base oil & petroleum solvents.

### Typical Properties

Property	Typical
Appearance (@ 20°C)	Waxy solid
Acid Number (mgKOH/g)	3.0
SAP number (mgKOH/g)	46
Drop Melt Point (°C)	37

### Storage and Handling

Store sealed, and in the original container. For further storage and handling considerations please see the SDS.

*The information contained within this publication is based on the present state of our knowledge. Any recommendations or conclusions are made without liability on our part. Values shown are typical and should not be construed as specification limits.*

### Performance Data

#### Testing:-

- Panel A: Control 1. Untreated *prepared\** Q-panel.
- Panel B: Control 2. Untreated *prepared* Q-panel.
- Panel C: *prepared* and treated Q-panel.

\* Steel panel, approx. 150x100mm. The standard polished Q panel was *prepared* by being cleaned with low acid paper using toluene and then isopropanol, checking the final piece of paper that was used showed no sign of dirt from the plate on a final clean.

#### Test Preparation:

- Panel C was treated by being dipped into a solution of 50% Petcor 2920-A dissolved in D40 solvent.
- All panels were suspended in a sealed tank and checked periodically for signs of corrosion. A 0.5N solution of Hydrochloric Acid in water (pH 0-1) generated a corrosive & acidic atmosphere within the tank. The tank was maintained at room temperature 18-20°C throughout the test.

Commencement date: 30<sup>th</sup> August 2017

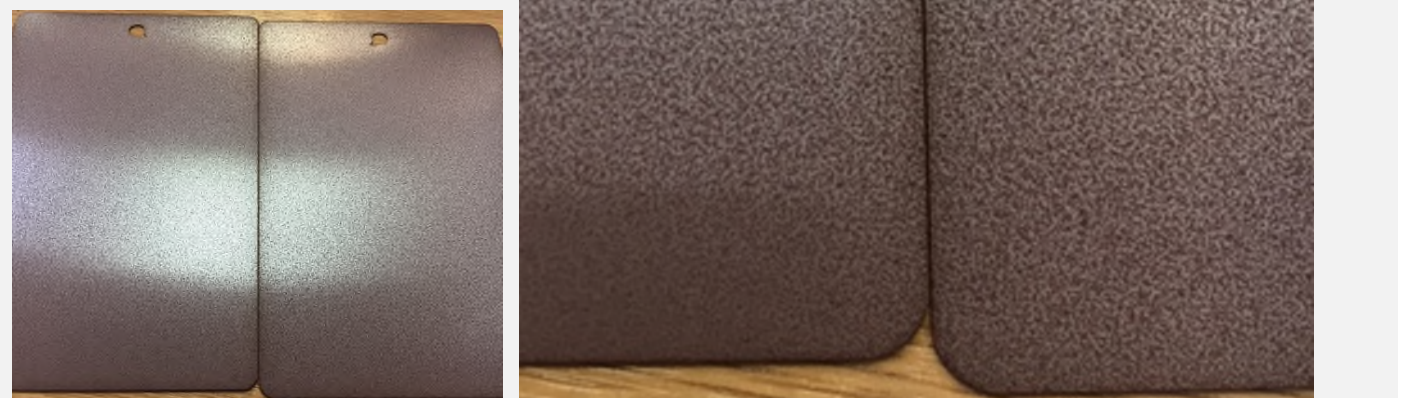
Report Date: 30<sup>th</sup> November 2017

### Results:

Day 7 (168 hours) – no sign of corrosion on any panels. **Control, panel A is pictured.**



Day 10 (240 hours) – greater than 10% corrosion of both controls (panels A & B) - fail point



Day 93 (2230+ hours) – still less than 10% corrosion of the treated, panel C.

Signs of corrosion seen around the edges of the Q-panel, and minor pock-marking in centre of plate. Corrosion covered less than 10% of the plate therefore fail point not reached but testing terminated.

