

## CORROLESS SHB

### RUST STABILISING PRIMER

#### DESCRIPTION

A single component, high build, general purpose rust stabilising primer.

#### PRODUCT FEATURES AND RECOMMENDED USES

- High build.
- Designed to penetrate firmly adherent rust.
- Ideal for general maintenance.
- NATO Stock Number 0474-8030-99-535-3044.
- Applications include pipes, cranes, mechanical equipment, bridges, railings, tank externals and other structural steel.
- Contains Corroless Pigment.

#### TECHNICAL DATA

##### Volume Solids (±2%)

49%.

##### Volatile Organic Content

351 g/litre

##### Specific Gravity

1.27 kg/litre.

##### Film Thickness

**Wet Film** 184 microns. **Dry Film** 90 microns.

##### Theoretical Coverage

5.44 m<sup>2</sup>/litre at 90 microns dft. Practical coverage rate can vary depending on application method, temperature, profile and porosity of the substrate.

##### Application

Airless spray, brush or roller.

##### Mixing Ratio

Single pack.

##### Pot Life (at 18°C)

Not applicable.

##### Drying Times at recommended dft

	10°C	18°C	30°C
<b>Dust Free</b>	4 hours	2 hours	1 hour
<b>Hard Dry</b>	24 hours	16 hours	12 hours
<b>Overcoating Minimum</b>	24 hours	16 hours	12 hours
<b>Maximum</b>	60 hours	48 hours	24 hours

##### Thinners and Cleaning solvent

Corroless Thinners No.2. (Solvent Gun Wash may be used for cleaning only).

##### Finish

Low Gloss.

##### Colours

Buff.

##### Storage

Product has a shelf life of 2 years when stored in dry, cool conditions and protected from frost.

**CORROLESS Corrosion Control**, Worldwide Headquarters, Kelvin Way, WEST BROMWICH, West Midlands B70 7JZ,

**Telephone:**  
+44 (0)121 524 2235

**Fax:**  
+44 (0)121 553 2787

**Web:**  
[www.corroless.com](http://www.corroless.com)

**e-mail:**  
info-corroless@axaltacs.com

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### APPLICATION DETAILS

**Surface Preparation**

If required, due to obvious dirt/grease contamination or suspected salt or chemical contamination, clean all surfaces with a water soluble degreaser, wash down with clean, fresh water and allow to dry, before commencing main preparation.

**Recommended substrate:** Steel. (Corroless SHB can also be applied to other substrates – further advice available on request).

**Manual preparation:** Prepare using rust scrapers, chipping hammers, needle guns, wire brushes etc. to St2 standard of EN ISO 8501-1:2007 or equivalent. Ensure all scale is removed. Wash down with clean fresh water prior to application. Allow to dry.

**Mechanical Preparation:** Blast clean to minimum Sa1 standard of EN ISO 8501-1:2007 or equivalent, with a surface profile of 50 to 75 microns. Wash down with clean fresh water prior to application. Allow to dry.

**New steel:** All mill scale must be removed prior to application.

All surfaces when coated should be firm, clean, dry and free from all oil, grease, powdery flash rusting and other contamination.

**Application**

Method	Airless Spray	Conventional Spray	Brush	Roller
Output Fluid Pressure	2800 psi	Yes – thinning required	Yes	Yes
Tip size	17-21 thou			
Fan angle	30-50°			

**Spraying**

For conventional spray up to 10% Corroless Thinners No.2 should be added.

**Brushing/Rolling**

When brushing apply unthinned, lay on, do not over brush. When rolling use a lambs wool roller and a maximum addition of 5% Corroless Thinners No.2.

**Mixing**

Stir thoroughly before use.

**Stripe coating**

Stripe coat all edges, nuts, bolts, welds etc.

**Application Temperature**

Range 2°C - 35°C.

**Ambient Conditions**

Only apply in conditions of good ventilation, which should be maintained during drying. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point.

**Overcoating**

Overcoatable with itself, and Corroless RF16. If overcoating time exceeds 24 hours and contamination has occurred, clean using a detergent solution/fresh water rinse and allow to dry before continuing. If maximum overcoating times are exceeded, abrade the surface to provide a key, wash down with clean fresh water and allow to dry.

**Flash Point**

21°C - 32°C.

**Health and Safety**

At all times observe precautionary notices on containers. Refer to Material Safety Data Sheets available from Corroless on request.

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