

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 m²/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
Dust Free	4 hours	2 hours	1 hour
Hard Dry	24 hours	16 hours	12 hours
Overcoating Minimum	24 hours	16 hours	12 hours
Maximum	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

e-mail:
info-corroless@axaltacs.com

CORROLESS SHB

RUST STABILISING PRIMER

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.

AN AXALTA COATING SYSTEMS BRAND



The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Axalta cannot anticipate all variations in actual end-use conditions Axalta makes no warranties and assumes no liability in connection with any of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.