

# PRODUCT SPECIFICATIONS

## ABCOXIOR NO.1

Bituminous Anti-Corrosive

### PRODUCT DESCRIPTION

A two component black bitumen coating that provides excellent anti-corrosive protection for "Hot-Wet" metal surface subjected to very high temperatures.

### DESIGN FEATURES

An anti corrosive coating for boiler drums, tubes, evaporators and other equipment subjected to temperature between 93°C to 540°C.  
 Low permeability to moisture and steam.  
 Waterproof.  
 Excellent anti-corrosive performance.  
 Resistant to weathering, oxidation, mild acids and alkali solutions.  
 Easy application by brush, roller or spray.  
 Suitable for surfaces in contact with water fresh or salt water.

### PHYSICAL CHARACTERISTICS

Recommended Application Data		Wet (µm)	Dry (µm)	M <sup>2</sup> /ltr
Theoretical Coverage		100	40	10.0
Specific Gravity	1.2 ± 0.1 Kg/ltr (depend on colour)			
Volume solids	40% (based on ASTM D2697)			
Dry Film Thickness Range	40 µm to 60 µm			
Flash Point	38 °C			
Finish	Matt			
Colour Range	Black			
Standard Packing Size	5 litres set (4.0 litres Base : 1.0 litre Reducer)			
Mix Ratio (by volume)	4 Base : 1 Reducer			
VOC	380 gram / ltr			
Shelf Life (cool & dry place)	12 months			
Temperature	93 - 540°C			

### APPLICATION METHOD

BRUSH OR ROLLER OR CONVENTIONAL AIR SPRAY	Recommended method of application. Apply a minimum of two coats to achieve an even application and ensure consistent performance.	
AIRLESS SPRAY	May be used.	Ensure to overapplication.
	Tip Size	: 0.28 - 0.38 mm ( 11 - 15 thou )
	Pressure	: 110 - 160 kg/cm <sup>2</sup> (1600 - 2300 psi)

### DRYING & CURING TIME

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
26 °C	6 hours	* See Below	16 hours	Indefinite	14 days
32 °C	5 hours		14 hours	Indefinite	14 days
36 °C	4 hours		12 hours	Indefinite	14 days
40 °C	3 hours		10 hours	Indefinite	14 days

### USEFUL INFORMATION

THINNER	: ABCOTHINNER 7 - 9 (Maximum 10% addition)
CLEANER	: ABCOTHINNER 7 - 9
STORAGE	: Store in a cool dry shaded area.

## SURFACE PREPARATION

The service life span and the service performance of ABCOXIOR No. 1 are directly related to the degree of surface preparation.

### STEEL

- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1.
- Dry brushing to remove soluble salts, dirt and dust.
- Ensure that freshwater jetting is carried out to remove all loose contaminants and scale and salt deposition.
- Remove scale by chipping, needle gun or spot blasting. Any loose or flaking coating should be taken back to a firm edge.
- Mechanically clean the surface using hand or power tools to maximum standard of Sa 2 (ISO 8501-1:1988) or SSPC-SP2 taking care to avoid polishing the surface.
- Where necessary remove weld spatter and round off weld seams and sharp edges to a smooth surface.

### CONCRETE

- Ensure that the surface is sound. Remove laitance by thorough wire brushing, acid etching or sweep blasting. Blowholes and other defect should be filled with Solventless Epoxy Filler.

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3°C above Dew Point.

## TYPICAL COATING SPECIFICATION

Substrate Surface	1 <sup>st</sup> Coat	2 <sup>nd</sup> Coat
STEEL	ABCOXIOR No. 1	ABCOXIOR No. 1

## NOTES

- The coating specifications given above are typical. For specific recommendations to individual applications, please refer to your ABCO Paints representative.
- This product requires a minimum temperature of 93°C for 5 hours to hard dry. Ensure that this equipment is met in order for the product to function as stated.
- Not suitable for over-coating with other finishes as this product has the tendency to bleed.

## SAFETY PRECAUTION

**Avoid contact with eyes and skin. Wear suitable protective clothing such overalls, goggles, dust mask and gloves. Use barrier cream.**

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.

This product is flammable. Keep away from sources of ignition. Do not smoke.

Take precautionary measures against static discharge.

In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

## FIRST AID

**Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.

**Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.

**Inhalation** : Remove to fresh air, loosen collar and keep patient rested.

**Ingestion** : In case of accidental ingestion, DO NOT INDUCE VOMITING. Seek immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

## DISCLAIMER

*The information provided on this data sheet is not intended to be complete and provided as general information only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance or would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be revised by us from time to time, and without notice, in the light of our experience and continuous product development.*