

**BERGER**

# PRODUCT SPECIFICATIONS

## APCOCHAR-WB-100

Water-borne Intumescent Coating

### PRODUCT DESCRIPTION

A water borne intumescent coating for the fire protection of interior I section structural steelwork.

### DESIGN FEATURES

Provides 30, 60 and 90 minutes fire resistance to structural steel  
Tested in accordance with BS 476: Part 21: 1987 by Warrington Fire Research and Building Research Establishment  
Highly competitive loadings for most steel section sizes, giving reduced application costs  
Minimal VOC's – EPA Compliant with easy application properties  
Topseals are not required in C1 interior environments. When using topseals please ensure to check compatibility with paint manufacturer before application  
Recommended for on-site application. Off-site applications must be topcoated before being taken outside and carefully handled (See 'application notes')  
Recommended for interior environments classified as C1 or C2 under the definitions in ISO 12944-2: 1998

### PHYSICAL CHARACTERISTICS

Recommended Application Data Theoretical Coverage	Wet [µm]	Dry [µm]	m <sup>2</sup> /l
	535	375	1.87
Volume solids	70 ± 2% (based on ASTM D2697)		
Dry Film Thickness Range	200 µm to 1600 µm		
Flash Point	>55 °C		
Finish	Matt		
Colour Range	White		
Standard Packing Size	20 litres		

### APPLICATION METHOD

AIRLESS SPRAY (Recommended method of application)	Tip Size : 0.53– 0.63 mm ( 21 – 25 thou )
	Pressure : Minimum 210 kg/cm <sup>2</sup> ( 3000 psi)
BRUSH OR ROLLER	Brush/roller application will typically achieve DFT up to 500 microns by multi-coat application. <i>(Highest standard of decorative finish is only likely to be achieved with careful airless spray application)</i>

### DRYING & CURING TIME

Substrate Temperature	Touch Dry	Hard Dry	* Overcoating Interval	
			Minimum	Maximum
20 °C	2 hours	12 hours	12 hours	Indefinite
30 °C	1.5 hours	4 hours	4 hours	Indefinite
40 °C	1 hour	3 hours	3 hours	Indefinite
* Only overcoat with self or approved top-seal – consult paint manufacturer for advice. Maximum overcoating time is indefinite providing the surface is clean and the coating is sound. Coated surfaces must be kept in controlled, dry conditions until topsealed or degradation may occur.				

### USEFUL INFORMATION

THINNER	: Water
CLEANER	: Water
STORAGE	: Store in a cool dry shaded area.
SHELF LIFE AT 25 °C	: 12 months minimum when stored as prescribed in the MSDS.



## SURFACE PREPARATION

The service life span and the service performance of Apcochar WB 100, are directly related to the degree of surface preparation.

Degrease where necessary to SSPC-SP1 solvent cleaning to remove weld flux and general contamination prior to blasting. All sharp edges should be ground and weld splatter removed. Blast clean to Swedish Standard SIS 05 5900 Sa 2.5 or British Standard 7079 equivalent. Maximum profile 75 microns

Apply compatible anti-corrosion primer in accordance with the manufacturer's written instructions to recommended DFT.

Consult relevant primer Product Data Sheets for further detail. All surfaces should be clean, dry and free from all grease, oil and general contamination before coating.

<b>SUITABLE UNDERCOATS</b>	Epilux FP 80
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## NOTES

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- For multiple coat application follow overcoating interval to avoid coating defects and blistering or delamination.

## SAFETY PRECAUTION

Avoid contact with eyes and skin. Wear suitable protective clothing such as 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.

Take precautionary measures against static discharge.

## 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. Obtain 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 is provided as general advice 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 nor 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 modified by us from time to time, and without notice, in the light of our experience and continuous product development.*