

# PROTAR BITUMINOUS BIC-12100

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## PRODUCT DESCRIPTION & USES

**PROTAR BITUMINOUS BIC-12100** is a bituminous paint suitable for all types of steel constructions, cofferdams, underground pipeline steel, marine structures, concrete, asbestos cement protecting ballast tanks, chain lockers, anchor and any area requiring a high degree protection from humidity.

## FEATURES

- Good Toughness and Flexible
- Good Corrosion Resistance

## PRODUCT SPECIFICATION

Color : Black  
Finish : Semigloss  
Volume Solid :  $55 \pm 2\%$   
Specific Gravity :  $1.45 \pm 0.05$  g/cc  
Flash Point :  $27^\circ\text{C}$   
Packaging : 5 & 20 Liters  
Storage Stability : 24 Months. If it is stored in cool and dry place, also in its original not opened package. (Do not store below freezing point)

## APPLICATION

Application Condition :  $25 - 35^\circ\text{C}$ , 60 – 80% RH  
Thinner : THSG-90300  
Application Method : Airless Spray      Air Spray      Brush/Roller  
Thinning Ratio by Volume :      5 – 10%      15 – 20%      5 – 15%  
Tip Size for Airless Spray Gun : 0.013 – 0.015 inch      Air pressure : approx. 170 bar; 2500 psi  
Nozzle Orifice for Air Spray : 1 – 1.5 mm      Air pressure : approx. 3 - 4 bar; 40 - 60 psi  
Wet Film Thickness (WFT) : 181 – 272 microns or 7.4 – 11.1 mills  
Dry Film Thickness (DFT) : 100 – 150 microns or 4.0 – 6.1 mills  
Theoretical Coverage :  $5.5 \text{ m}^2/\text{liter}$  (DFT = 100 microns)

## FILM PROPERTIES

Drying Time (@ DFT = 100 mic) :	<b>20°C</b>	<b>30°C</b>	<b>40°C</b>
• Surface Dry :	30 – 60 minutes	30 – 50 minutes	20 – 35 minutes
• Hard Dry :	15 – 17 hours	12 – 14 hours	11 – 13 hours

Re-coating Interval : Minimum 24 hours ( $30^\circ\text{C}$ )  
Maximum -- \*

Provide adequate ventilation during application and drying.

\*It is depends on weather, exposure, thickness, storage.

\*For more details please contact PROPAN Technical supervisor

## RECOMMENDED COATING SYSTEM

Primer Coat : **PROTAR BITUMINOUS BIC-12100**  
Finish Coat : **According to specification**  
Recommended Dry Film Thickness : 2 coats (100 microns / coat)

## **SURFACE PREPARATION**

1. All surfaces should be clean, dry and free from contamination accordance with SSPC-SP 1 solvent cleaning.
2. Oil or grease should be removed by solvent cleaning or industrial detergent.
3. Blast cleaning with suitable blasting material minimum Sa2, hand or power tool cleaning to a minimum standard of St2 in accordance with the ISO 8501-1 : 1988 or SSPC-SP 2.
4. Provide adequate ventilation during application.

## **INSTRUCTION FOR USE**

Prepare one mixture as much as needed for application. Firstly stir well before use, preferable by means use mechanical mixer to ensure good homogeneity. Apply mixed material using airless spray, brush or roller. Use Thinner **THSG-90300** as solvent cleaner. Provide adequate ventilation during application and drying.

## **SAFETY PRECAUTION**

Avoid contact with the skin and eyes. Wear suitable protective coating, such as overalls, goggles, dust mask, and gloves. Use barrier cream. This product is flammable. Do not smoke. Use only explosion proof equipment. Do not breathe vapor of spray. Provide adequate ventilation during application.

## **FIRST AID :**

- General : in all cases of doubt, or when symptoms persists, seek medical attention. Never give anything by mouth to an unconscious person.
- Eyes : in the case of accidental splashes, flush eyes with clear running water for 5 minutes while holding eyelids open. If irritation persist, seek medical attention.
- Skin : wash off thoroughly with plenty of water and soap. Do not use solvent or thinner. Removed contaminated clothing. If irritation persist, seek medical attention.
- Inhalation : remove affected person to fresh air area, loosen collar, provide oxygen if breathing is difficult. If affected person is not breathing, administer CPR and seek emergency medical attention.

## **DISCLAIMER**

This document contains information issued based on the best and latest of Propan's knowledge in accordance to laboratory testing and practical application experience. The end user must test the product's suitability for their specific application and purpose. Propan shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements. This document is subjected to change without further notice. Please consult Propan for any specific guidance on the suitability of this product for their needs or for any specific application practices.