

**CODE: BP-920**

**PRODUCT NAME:**

**Hot Applied Bitumen**

**DESCRIPTION:**

BP-920 is a high build single component hot applied liquid bituminous coating with good resistance to water and salt water immersion .It can be used for pipe, flanges, valves and underground storage tanks. It is a suitable coating for tank lining of potable water tanks and also is suitable for over insulation layer. BP-920 has good adhesion to the most surfaces and can have many applications in protective coatings.

**TECHNICAL DATA:**

Binder	Modified Bitumen
Pigment	With Suitable Extenders
Finish	Flat
Shade	Black
Substrate	Cleaned or blasted steel, Concrete
Volume solid	100 %
Typical dry film thickness	2000-4000 Microns
Number of coat	One or two
Flash point	200 °C
Specific gravity	1.1± 0.05 Kg/Lit
Theoretical spreading rate - one coat ( at 2000microns)	0.5 M <sup>2</sup> /Lit
Application method	Brush ,Knife, gloved hand
Thinner / Cleaner	NOT REQUIRED
Packing	20 kg block or 185 kg drum
Shelf life	Undefined

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## Drying Time

Temp	Touch dry	Hard dry	Overcoating	
			Min	Max
15°C	60 minutes	90 minutes	2 hours	-
25°C	30 minutes	60 minutes	2 hours	-
40°C	10 minutes	30 minutes	2 hours	-

**Note:** Drying times are dependent on applied film thickness; all data in this catalogue are reported at recommended DFT.

## Surface Preparation

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO8504:1992.

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning

### Primed surfaces

BP-920 can be applied over approved bitumen primers. The primer surface should be dry and free from all contamination, and BP-920 must be applied within the overcoating intervals specified.

Area of breakdown, damage, etc., should be prepared to the specified standard (e.g. 2 ½(ISO 8501-1:1998), or SSPC-SP10, abrasive blasting, or SSPC-SP11, (hand/ power cleaning) and patch primed prior to the application of BP-920.

### Concrete Surfaces

Concrete should be cured for a minimum of 28 days prior to coating. The moisture content of the concrete should be below 6%. All surfaces should be clean, dry and

Surface preparation shall not take place in the following conditions:

- A) At temperature below 5 °C
- B) When the relative humidity greater than 85%
- C) When the metal surface temperature is less than 3 °C above the dew point
- D) Outside day light hours on exterior locations



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### Application Method:

**BP-920** applied in the molten state .It melt by direct heating.

Agitation ofBP-920 in the molten state is necessary to prevent settling of the filler.

The hot enamel shall be thoroughly and continuously stirred for a minimum of 5 min., and intervals between stirring shall not exceed 15 min., regardless of whether the enamel is being dispensed from kettles or is being held ready for use.

Iron paddles shall be used for stirring. Wooden paddles will not be permitted.

This product that has been heated in excess of the maximum allowable temperature or that has been held at application temperature for a period in excess of that specified shall be condemned and rejected. Fluxing the enamel will not be permitted.

### **HEALTH AND SAFETY:**

This product is Flammable. Keep away from heat and open flame .Keep container closed .Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to the health:

- 1-Circulate adequate fresh air continuously during application and during.
- 2-Use fresh air masks and explosion proof equipment.
- 3- Prohibit all flames, sparks, welding and smoking.