

CODE: BP-901

PRODUCT NAME:

Bitumen Mastic

DESCRIPTION:

BP-901 is a high build single component cold applied liquid bituminous coating with good resistance to water and salt water .It can be used for pipe, flanges, valves and underground storage tanks BP-901 has good adhesion to the most surfaces. It does not shield cathodic protection.

TECHNICAL DATA:

Binder	Modified Bitumen
Pigment	With Suitable Extenders
Finish	Flat
Shade	Black
Specific gravity	1.3± 0.05 Kg/Lit
Substrate	Cleaned or blasted steel, Concrete
Volume solid	75 ±3%
Typical dry film thickness	500-1500 Microns
Number of coat	One or two
Flash point	34 °C
Theoretical spreading rate - one coat (at 500 microns)	1.5 M ² /Lit
Application method	Brush ,Knife, gloved hand, Roller
Thinner / Cleaner	NOT REQUIRED
Packing	25 kg
Shelf life	12 Months

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Drying Time

Temp	Touch dry	Hard dry	Overcoating	
			Min	Max
15°C	6hours	30 hours	24 hours	-
25°C	4 hours	24 hours	24 hours	-
40°C	3hours	18 hours	16 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 ISO 8504:1992.

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

Abrasive Blast Cleaning

For immersion service, BP-901 must be applied to surfaces blast cleaned to a minimum of Sa2 ½ (ISO 8501-1:1988) or SSPC-SP10.However, for atmospheric exposure BP-901 may be applied to surfaces prepared to a minimum of SA 2 ½(ISO8501-1:1998) or SSPC-SP6.

Surface defects revealed by the blast cleaning process, should be ground, filled, or treated in the appropriate manner.

A surface profile of 50-60 microns is recommended.

Primed surfaces

BP-901 can be applied over approved suitable primers. The primer surface should be dry and free from all contamination, and BP-901 must be applied within the overcoating intervals specified.

Area of breakdown,damage , etc.,should be prepared to the specified standard (eg.Sa2½(ISO8501-1:1998),or SSPC-SP6 ,abrasive blasting ,or SSPC-SP11, (hand/ power cleaning)and patch primed prior to the application of BP-901 .

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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

Application Method:

This material is a one component coating and should always be mixed thoroughly with a power agitator before application. Stir during application to maintain uniformity of material.

Application Equipments

Brush	Typically 400 mic can be achieved.
Roller	Typically 400 mic can be achieved
Gloved Hand or trowel	Typically 1000 mic can be achieved in one coat

Flush Equipment with recommended Cleaner before and after use

Thinner: For Brush and Roller Need 10 % T-100

And for Knife Not Required

Cleaner: T-C-100

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ENVIRONMENTAL CONDITIONS:

- To prevent moisture condensation during application, surface temperature must be at least 3 °C above the dew point.
- Never apply coatings under reverse environmental condition.
- In hot climate, material temperature should be 20 to 25 °C prior to mixing.
- For satisfactory cure, air and surface temperature must be above 10 °C
- Paint shall not be applied when wind speed is in excess of 7 m/s

Air temperature	10 to 40 °C
Surface temperature	10 to 50 °C
Material temperature	15 to 40 °C
Relative humidity	Max80 %

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 drying.
- 2-Use fresh air masks and explosion proof equipment.
- 3- Prohibit all flames, sparks, welding and smoking.

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