

### Product Code: 580JB

Formerly Jones-Blair 2000

#### Description:

Bi-O-Plex W/R Enamel is a water-reducible enamel topcoat. It intended for fabricators and industrial maintenance applications, and dries faster than normal water reducible coatings.

#### Recommended use:

Applications needing a fast drying, water reducible topcoat with a wide color range and glossy appearance.

#### Features:

- Does not require a primer.
- Water clean-up and low odor.
- Wide range of colors and metallic effects.
- Low VOC – under 50 grams/liter.
- Fast air drying.
- One coat protection, or use with optional water reducible primer.

#### Physical constants:

Color/Shade code:	Black/19990 (other colors available)
Finish:	High gloss, glossy, semi-gloss, semi-flat or flat
Volume solids:	35% ± 1
Theoretical spreading rate:	375 ft <sup>2</sup> /US gallon [9.2 m <sup>2</sup> /liter] – 1.5 mils [38 microns]
Specific gravity:	10.0 lbs/US gallon [1.2 kg/liter]
Touch dry:	15 – 20 minutes, 68°F/20°C
Through dry:	30 minutes, 68°F/20°C
VOC content:	< 50 g/liter [< 0.4 lbs/US gallon]

*The physical constants stated are nominal data according to the Hempel Group's approved formulas. VOC may be dependent on color.*

#### Application details:

Application method:	Airless spray / Air spray
Thinner (max. vol.):	Not required, apply as packaged. May be reduced up to 5% with deionized water.
Nozzle orifice:	0.011" – 0.015", airless
Nozzle pressure:	2,500 psi [172 bar] <i>(Airless spray data are indicative and subject to adjustment)</i>
Cleaning of tools:	Soap and water. If product has dried, add 1 part butyl cellosolve to 5 parts water.
Indicated film thickness, dry:	1 – 2 mils [25 – 50 microns]
Indicated film thickness, wet:	2.75 – 5.9 mils [70 – 150 microns]
Overcoat interval, min:	1 hour, 68°F/20°C

#### Surface preparation, new build:

- Remove oil and grease etc. thoroughly with suitable detergent.
- Remove salts and other contaminants by high pressure fresh water cleaning.
- Moderate exposure: SSPC-SP6 (NACE No. 3) commercial blast.
- Severe exposure: SSPC-SP5 (NACE No. 1) white metal blast.
- Concrete and mortar must cure for minimum 30 days at 75°F/23°C.

#### Application conditions:

- Surface must be completely clean and dry at the time of application.
- Ensure adequate ventilation.
- Air and surface temperature must be above the dew point to avoid condensation.
- Paint temperature should be between 59°F – 77°F [15°C – 25°C] for best performance.
- Minimum temperature for curing is 50°F/10°C.

#### Preceding coat:

None, or according to specification.

#### Subsequent coat:

None, or according to specification.

### Additional information:

- Application equipment:** Application equipment should have stainless steel lined fluid passages. Water reducible coatings can cause rusting of carbon steel.
- Storage/shelf life:**
- **Protect from freezing.** Product will become unusable if frozen.
  - Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
  - Shelf life: 18 months.
- Safety:** Handle with care. Use with adequate ventilation. Before and during use, observe all safety labels on packaging and paint containers, consult product Safety Data Sheets and follow all local or national safety regulations.

Note: **Bi-O-Plex W/R Enamel is for professional use only.**

Issued by: Hempel (USA) – 580JB

This Product Data Sheet ("PDS") relates to the supplied product ("Product") and is subject to updating from time-to-time. Accordingly, the buyer/applicator should have regard to the PDS supplied together with the relevant batch of the Product (and not an earlier version). In addition to the PDS, the buyer/applicator may receive some or all of the following specifications, statements and/or guidelines as listed below or as are available from the Hempel website under 'Products' at [www.hempel.com](http://www.hempel.com) (the "Additional documents"):

No.	Document description	Location/comments
1.	Technical Statement	One-off specific advice provided on request for specific projects
2.	Specification	Only issued for specific projects
3.	PDS	This document
4.	Explanatory Notes to the PDS	Available at <a href="http://www.hempel.com">www.hempel.com</a> and contain relevant information about the Product testing parameters
5.	Application Instruction	Where available, at <a href="http://www.hempel.com">www.hempel.com</a>
6.	Generic technical guidelines (e.g. on application and surface preparation)	Where available, at <a href="http://www.hempel.com">www.hempel.com</a>

In the event of a conflict of information between the PDS and the Additional documents, the order of priority of information shall be in the order as set out above. In such event you should also contact your representative at Hempel for clarification. Furthermore, the buyer/applicator must have full regard to the relevant Safety Data Sheet provided with each Product and which can also be downloaded from [www.hempel.com](http://www.hempel.com).

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