

### Kit Code: 143JB; Base 143J9; Curing Agent 97050

Formerly Jones-Blair 33032

- Description:** DTM Primer-Surfacer 143JB is a urethane based primer-surfacer.
- Recommended use:** For ferrous substrates found on automobiles, trucks, trailers, bulk tanks, and other applications that require a smooth primer that can be recoated at any time. Often used as a repair primer when touching up.
- Features:**
- Excellent smoothness for premium topcoat appearance.
  - Used for spot repair applications.
  - May be recoated at any time.
  - Chemical and solvent resistant.
  - Excellent topcoat gloss holdout.
  - Easy to sand for a strong surface profile.
  - Chromate free.
  - Low VOC — 1.7 lbs./gallon.

### Physical constants:

Color/Shade code:	White/1L000
Finish:	Semi-flat
Volume solids:	59% ± 1
Theoretical spreading rate:	946 ft <sup>2</sup> /US gallon [23.6 m <sup>2</sup> /liter] – 1 mils [25 microns]
Flash point:	73°F/22°C
Specific gravity:	11.3 lbs/US gallon [1.35 kg/liter]
Viscosity:	40" – 50", Ford 4
Touch dry:	30 minutes, 68°F/20°C
Through dry:	2 hours, 68°F/20°C
VOC content:	204 g/liter [1.7 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:

Product / Mix ratio:	Base 143J9 : Curing agent 97050 / 8 : 1 by volume
Application method:	Air spray
Thinner (max. vol.):	08320 Medium Reducer (11%); see Mixing/stirring on Page 2
Pot life:	6 hours, 68°F/20°C
Nozzle orifice:	0.110" or 2.8 MM fluid cap conventional
Nozzle pressure:	72 psi [5 bar] <i>(Airless spray data are indicative and subject to adjustment)</i>
Cleaning of tools:	08320 Medium Reducer
Indicated film thickness, dry:	1 – 2 mils [25 – 50 microns]
Indicated film thickness, wet:	2 – 4 mils [50 – 100 microns]
Overcoat interval, min:	15 minutes, 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. Abrasive blasting to Sa 2½ (ISO 8501-1:2007) or SSPC-SP 10.

**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. Only apply when air and surface temperature are between 44°F – 100°F [7°C – 38°C].

**Preceding coat:** According to specification.

**Subsequent coat:** According to specification. Recommended systems are: Acrylithane polyurethane enamels.

**Repair/maintenance:** Remove oil and grease etc. thoroughly with suitable detergent.  
Remove salts and other contaminants by high pressure fresh water cleaning.  
Clean damaged areas by power tool cleaning.  
Remove dust, blast media, and loose materials.  
Feather edges to sound and intact areas.

### Additional information:

**Mixing/stirring:** Mix thoroughly before use.  
Mixed components will need to be reduced 15% for air spray.

**Additives:** 08EJB (21102 Fast Spray Reducer): For viscosity adjustment in non-VOC restricted areas.  
08320 (21092 Medium Reducer): For temperatures over 70°F/21°F.

**Storage/shelf life:**

- Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
- Shelf life: 143J9, 3 years; 97050, 2 years.

**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:** **DTM Primer-Surfacer is for professional use only.**

**Issued by:** Hempel (USA) – 143JB

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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