

Kit Code: 158JB; Base 158J9; Curing Agent 97050

Formerly Jones-Blair 33124

- Description:** Ureprime Primer-Surfacer is a fast drying, modified epoxy-urethane primer-surfacer that meets VOC regulations requiring less than 2.8 lbs./gallon.
- Recommended use:** For ferrous and non-ferrous substrates found on automobiles, trucks, trailers, bulk tanks, and commercial architectural applications that require exceptional smoothness for a premium topcoat appearance.
- Features:**
- Excellent corrosion resistance.
 - Great performance over metals such as aluminum, galvanized, stainless and polished steel.
 - Chemical and solvent resistant.
 - Use as a primer/surfacer for great topcoat gloss holdout.
 - Chromate free.
 - Low VOC — < 2.8 lbs./gallon.
- Service temperatures:** Maximum continuous dry heat exposure to 300°F/149°C.

Physical constants:

Color/Shade code:	Gray/1L011 (other colors available)
Finish:	Semi-flat
Volume solids:	34% ± 1
Theoretical spreading rate:	545 ft ² /US gallon [13.6 m ² /liter] – 1 mil [25 microns]
Flash point:	73°F/22°C
Specific gravity:	11.0 lbs/US gallon [1.32 kg/liter]
Viscosity:	40" – 50", Zahn 4
Touch dry:	30 minutes, 68°F/20°C
Through dry:	2 hours, 68°F/20°C
VOC content:	335 g/liter [2.8 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 158JB : Curing agent 942JB / 8 : 1 by volume (OR) by weight
Application method:	Airless spray / Air spray / Brush & Roller
Thinner (max. vol.):	08320 (0 – 3%) / 08320 (3 – 15%) / 08DJJ
Pot life:	4 hours, 68°F/20°C
Nozzle orifice:	0.011" – 0.013" airless, 0.110" or 2.8 MM fluid cap conventional
Nozzle pressure:	2,000 psi [131 bar] <i>(Airless spray data are indicative and subject to adjustment)</i>
Cleaning of tools:	Indicated
film thickness, dry:	Indicated
film thickness, wet:	08320 Medium Reducer 1.5 – 2.0 mils [38 – 50 microns] 4.4 – 5.9 mils [111 – 147 microns]
Overcoat interval:	See Page 2

- 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.
 - Surface profile: Medium (G) (ISO 8503-2).

- 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 44°F/7°C.

- Preceding coat:** According to specification.
- Subsequent coat:** According to specification. Recommended systems are: Acrylithane polyurethanes.
- Additives:** 99LJB (99041 Acrylithane HS2 Accelerator): Added at 0.5 fl./oz. per mixed gallon [3.9 ml/mixed liter], will shorten dry times to overcoat to 20 minutes.
Jones-Blair numbers and names in parentheses
- Repair/maintenance:**
- Remove oil and grease etc. thoroughly with suitable detergent.
 - Remove salts and other contaminants by high pressure fresh water cleaning.
 - Remove dust, blast media, and loose materials.
 - Clean damaged areas by power tool cleaning to minimum St 2 (spot-repairs), or by abrasive blasting to minimum Sa 2, preferably to Sa 2½ (ISO 8501-1:2007) or SSPC-SP 10.
 - Feather edges to sound and intact areas.

Additional information:

- Additives:** *Jones-Blair numbers and names in parentheses*
- 08EJB (21102 Fast Spray Reducer): For viscosity adjustment in non-VOC restricted areas.
 - 08320 (21092 Medium Reducer): For temperatures over 70°F/21°F.
 - 08BJB (21093 Slow Reducer): To reduce dry spray and orange peel.
 - 085JB (21078 Special Urethane Retarder): To add a wet edge for spraying large parts.
 - 08DJB (21099 Brush/Roll Additive): Can help application when brushing/rolling.

- Storage/shelf life:**
- Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
 - Shelf life: 158J9, 3 years; 942JB, 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.

Overcoating:

No Accelerator Spray
Min Recoat.....4 hours
Max Recoat..... It is recommended to first test for adhesion by wiping the surface with solvents listed for thinning. If the film shows a slight “tack”; the surface is suitable for recoating without abrading to create profile.

With .5 fl oz/gal 99056
Min Recoat.....3 hours
Max Recoat..... It is recommended to first test for adhesion by wiping the surface with solvents listed for thinning. If the film shows a slight “tack”; the surface is suitable for recoating without abrading to create profile.

Note: Ureprime Primer-Surfacer is for professional use only.

Issued by: Hempel (USA) – 158JB

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 (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 www.hempel.com and contain relevant information about the Product testing parameters
5.	Application Instruction	Where available, at www.hempel.com
6.	Generic technical guidelines (e.g. on application and surface preparation)	Where available, at www.hempel.com

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.

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