

### Kit Code: 15050; Base 15059; Curing Agent 97050

Formerly Jones-Blair 30314

- Description:** Ureprime HS4 Primer is a high solids, modified epoxy-urethane primer that meets VOC regulations requiring under 100 g/L.
- Recommended use:** For use on automobiles, trucks, trailers, bulk tanks, and commercial architectural applications that require exceptional smoothness for a premium topcoat appearance.
- Features:**
- Uses the same catalyst as Acrylithane HS4.
  - Solvent and chemical resistant.
  - Can be used as a primer/surfacers.
  - Excellent corrosion resistance.
  - Very low VOC — < 100g/L.
- Service temperatures:** Maximum continuous dry heat exposure: 300°F/149°C.

### Physical constants:

Color/Shade code:	White/16640 (other colors available)
Finish:	Semi-flat
Volume solids:	63% ± 2
Theoretical spreading rate:	505 ft <sup>2</sup> /US gallon [12.39 m <sup>2</sup> /liter] – 2 mils [50 microns]
Flash point:	61°F [16°C]
Specific gravity:	13.14 lbs/US gallon [1.58 kg/liter]
Viscosity	35", Zahn 3
Touch dry:	6 hours, 68°F/20°C
Through dry:	8 hours, 68°F/20°C
VOC content:	73 g/liter [0.61 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 15059 : Curing agent 97050/ 4 : 1 by volume
Application method:	Airless spray / Air spray / Brush & Roller
Thinner (max. vol.):	Exempt solvents such as acetone or t-butyl acetate, as needed to maintain 100g/L VOC
Pot life:	2.5 hours, 68°F/20°C
Nozzle orifice:	0.011" – 0.013" airless
Nozzle pressure:	2,000 psi [131 bar] <i>(Airless spray data are indicative and subject to adjustment)</i>
Cleaning of tools:	08320 Medium Reducer
Indicated film thickness, dry:	2 – 5 mils [50 – 125 microns]
Indicated film thickness, wet:	3.2 – 8 mils [81 – 203 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.

- 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.
  - Water jetting to steel: Minimum Wa 2 or Wa 2½, (ISO 8501-4).
  - Acceptable flash-rust degree before application: maximum M (atmospheric exposure), preferably L (immersion) (ISO 8501-4).
  - 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.
  - 08DJB (21099 Brush/Roll Additive): Can help application when brushing/rolling.
  - 99LJB (99041 Acrylithane HS2 Accelerator): Added at 0.5 fl./oz. per mixed gallon.

- Cleaning:**
- Clean paint tools or spills immediately with 08320 (21092 Medium Reducer), MEK, or lacquer thinner carefully observing cautions on paint and thinner labels.
  - Dried paint may need to be removed by scraping.

- Storage/shelf life:**
- Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
  - Shelf life: 15059, 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.

### 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 HS4 Primer is for professional use only.

**Issued by:** Hempel (USA) – 15050

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).

Hempel shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements set out in the relevant PDS and the Additional Documents. The information and terms of this disclaimer apply to this PDS, the Additional documents and any other documents supplied by Hempel in respect of the Product. In addition, the Product is supplied and all technical assistance is given subject to Hempel's General Conditions of Sale, Delivery and Service, unless otherwise expressly agreed in writing.