Acrylithane HS
Product Data Sheet

Kit Code: 641JB; Base 641J9; Curing Agent 941JB
Formerly Jones-Blair 45070

Description:
Acrylithane HS is a high performance polyurethane topcoat formulated for spray usage in areas requiring VOC less than 3.5 lbs /US gallon. It offers a full gloss, high quality appearance.

Recommended use:
For use on automobiles, trucks, trailers, bulk tanks, chemical trailers and commercial architectural applications that require a premium topcoat appearance.

Features:
- Uses same catalyst as Ureprime 2.8 primer.
- Excellent gloss and color retention.
- Chemical resistant.
- Low VOC.
- Wide range of colors available.

Service temperatures:
Maximum, dry service exposure only: 120°C/248°F.

Physical constants:

Color/Shade code:	White/1L000 (other colors available)
Finish:	High gloss
Volume solids:	55% ± 1
Theoretical spreading rate:	588 ft²/US gallon [14.3 m²/liter] – 1.5 mils [38 microns]
Flash point:	77°F/25°C
Specific gravity:	10.9 lbs/US gallon [1.3 kg/liter]
Viscosity:	25", Zahn 3
Touch dry:	4 hours, 68°F/20°C
Through dry:	6 hours, 68°F/20°C
VOC content:	364 g/liter [3.27 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 641J9 : Curing agent 941JB / 3 : 1 by volume
Application method:	Airless spray / Air spray
Thinner (max. vol.):	08320 (0 – 5%) / 08320 (5 – 15%)
Pot life:	4 hours, 68°F/20°C
Nozzle orifice:	0.011" – 0.013" airless / 0.110" or 2.8 MM fluid cap (air spray)
Nozzle pressure:	2,000 psi [183 bar] *(Airless spray data are indicative and subject to adjustment)*
Cleaning of tools:	08320 Medium Reducer
Indicated film thickness, dry:	1.5 – 3 mils [38 – 75 microns]
Indicated film thickness, wet:	2.7 – 5.5 mils [69 – 136 microns]
Overcoat interval, min:	3 hours, 68°F/20°C
Overcoat interval, max:	See Overcoating on Page 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.
- Only apply when air and surface temperature is above 44°F/7°C.
- Thinning may be necessary when using long spray hoses and/or paint temperatures below 15°C/59°F. This will cause lower film build and longer drying time. Alternate reducers such as acetone may be used to reduce product without adding VOC.

Preceding coat:
According to specification. Recommended systems are: Ureprime 2.8, Chem-O-Pon Epoxy Primer.

Subsequent coat: None, or according to specification. Recommended system is: Acrylithane HS.

Overcoating: Sanding or roughening of the surface is recommended if overcoating after 2 weeks.

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.
- 99056 (99011 Acrylithane Accelerator): Reduces drying times.

Storage/shelf life:

- Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
- Shelf life: 641J9, 3 years; 941JB 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: **Acrylithane HS is for professional use only.**

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