Product Data Sheet
Acrylithane HS2 Urethane

57010: Base 57019: Curing Agent 54070
57011: Base 57019: Curing Agent 54042

Description:
Acrylithane™ HS2 Polyurethane is a two component, high performance polyurethane topcoat formulated for use in areas requiring VOC's less than 2.8 lbs. / gallon. It offers a full gloss and a high quality appearance with exceptional color and gloss retention while maintaining exceptional chemical resistance.

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 HS2 PRIMER
Excellent gloss and color retention
Chemical resistant
Low VOC
Wide color offerings, including metallic effect

Service temperatures:
Maximum, dry service exposure only: 149°C/300°F

Availability:
Not included in Group Assortment. Availability subject to confirmation.

Physical constants:

Colors/shade Nos.:	White/10000* (JB 45080)
Finish:	High gloss
Volume solids, %:	64 ± 1
Theoretical spreading rate:	25.6 m2/l - 25 µ - 1026 sq. ft./US gal. - 1 mil
Flash point:	95°F / 35°C
Specific gravity:	1.4 kg/liter - 11.7 lbs/US gallon
Dry to touch:	6 hours at 20°C/68°F
Dry to handle:	8 hours
Viscosity, mixed:	20-30" / Zahn 3
VOC content:	322 g/liter [2.7 lbs/US gallon]

The physical constants stated are nominal data according to the Hempel Group's approved formulas.
**Wide range of colors and metallic available via Acrylithane™ HS Tint System.*

Application details:

Version, mixed product	**57010 / 57011**
Mixing ratio:	Base 57019 (JB 45080) : Curing agent 95070 or 95042 (JB 99961) 3 : 1 by volume
Application method:	Airless spray / Air spray / Brush
Thinner (max.vol.):	0832 (JB 21092) 0–5% / 5–15% / none
Pot life:	3.0 hours at 20°C/68°F
Nozzle orifice:	0.011" – 0.013" (airless) / 0.110" or 2.8 MM fluid cap (airless)
Nozzle pressure:	138 bar [2,000 psi] *(Airless spray data are indicative and subject to adjustment)*
Cleaning of tools:	Medium Reducer 08320 (formerly JB 21092)
Indicated film thickness, dry:	38 – 76 µ / 1.5 – 3.0 mils
Indicated film thickness, wet:	59 – 118 µ / 2.3 – 4.7 mils
Overcoat interval, min:	4 hours (20°C/68°F); 3 hours w/ 0.5 oz./mixed gallon of 99LJB accelerator (JB 99041)

Safety:
Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Hempel Safety Data Sheets and follow all local or national safety regulations.

Surface preparation: According to specification.

Application conditions: Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Use only where application and curing can proceed at temperatures above: 7°C/44°F. The temperature of the paint itself should be: 15–25°C/59–77°F. In confined spaces provide adequate ventilation during application and drying. Thinning may be necessary in the case of very 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 HS2; Chem-O-Gard Low VOC Primer; Chem-O-Pon Low VOC Epoxy Primer.

Subsequent coat: According to specification. Recommended systems are: Acrylithane™ HS2.

Remarks: Mixing: Mix thoroughly before use. Add 1 quart of catalyst to a 3/4 gallon of Acrylithane™ HS2 and mix thoroughly again. Only apply when air and surface temperature are between 44–100°F/7–38**°C**.

Thinning: Add 08EJB (JB 21102 Fast Spray Reducer) as required. When temperature is over 70°F/21**°C**, use 08320 (JB 21092 Medium Reducer). Add 08BJB (JB 21093 Slow Reducer) to reduce dry spray and orange peel, if required.

Drying: Under normal conditions, dries to touch in 6 hours and dries for overcoat in 4 hours for spray applications and dries for overcoat in 6 hours for brush and roll applied film. Low temperature, high humidity, poor ventilation and thick films will retard drying. Addition of accelerator 99LJB (JB 99041) at the rate of 0.5 fl. /oz. per mixed gallon will shorten dry times to spray overcoat at 4 hours and to touch at 7 hours.

Pot life: Approximately 3 hours after mixing. Mix only the amount of material that can be used in 3 hours. Pot life is decreased with an increase in temperature. Mixed material should be kept in as cool a location as possible. Flush mixed material from pressure pot and lines immediately after use.

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.

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

Note: **Acrylithane HS2 Urethane is for professional use only.**

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