PoolGard

Table of Contents

Product Data Sheet

70991 (47XJB)
Polyurethane Sealant

Description: 70991 (Hempel 47XJB) is a one-component, contractor/construction grade, smooth polyurethane sealant.

Recommended use: 70991 is used for sealing the following: expansion and control joints in pre-cast concrete panels; various roofing and siding applications; perimeters of doors, windows, and other wall penetrations.

Features: May be used with most building materials, including stone, masonry, ceramic, marble, wood, steel, aluminum, fiber cement board and many other synthetic materials.
Easy gunning; reduces installer's fatigue.
Bonds well to most common building materials.
Quicker skin and cure time; reduces jobsite dirt pickup.

Service temperatures: -40°F–150°F (-40°C–66°C)

Certificates/approvals: Type S, Grade NS, Class 25, Use NT, A and M. US Federal Specification TT-S 00230C (COMB-NBS) for one-component sealants as Class A, non-sag.
Canadian Specification CAN/CGSB 19.13-M87.
CARB and SCAQMD Compliant. Meets VOC requirements for OTC Regulation.

Availability: Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

70991-4 (47XJB1L030)	Gray	10.1-oz cartridge

Physical constants:

Hardness (Shore A)	42	ASTM D2240
Modulus at 100% Elongation	65 psi	ASTM D412
Modulus at 25% Elongation	45 psi	ASTM D412
Tensile Strength at Break	133 psi	ASTM D412
Elongation at Break	685%	ASTM D412
UV Resistance	Pass	ASTM C793
VOC	43 g/L (2.8%)	Calculated
Adhesion Peel	> 5 piw	TT-S-00230C/ASTM C794
Joint Movement Capability	+25%	TT-S-00230C/ASTM C719

Tool/Work Time	60 minutes
Skin Time	4 hours
Curing Time at 77°F/25°C	2–7 days, 1/16" per day
Flow, Sag or Slump	0.1 inch

The above tested results are typical values. Individual lots may vary up to 10% from the typical value. Further technical information can be found at www.neogard.com.

Application details:

Application method: Caulking gun
Cleaning: Clean tools with an aromatic solvent. Dry-wipe excess uncured sealant from surfaces, then follow with a solvent wipe. Cured sealant is difficult to remove without damaging the substrate.

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

Surface preparation: Surface must be clean, sound, and dry. Do not apply over damp, contaminated, loose surfaces, old sealants, or other foreign substances that may impair adhesion. Pre-test substrates with a sample of 70991 before full application.

Product Data Sheet

70991 (47XJB)
Polyurethane Sealant

Application conditions:

Do not install when the dew point of the substrate is close to ambient temperature, or if moisture-vapor transmission (MVT) is present. Damp substrates with high moisture content will cause bubbling and foaming. Lower relative humidity and temperature will significantly extend curing time. Confined areas, deep joints, and moisture barrier substrates may also affect the full cure time and extend it by many days. High temperature/humidity can cause bubbles to develop during the curing process.

Subsequent coat:

According to Neogard system Guide Specifications. Test paints or coatings for adhesion before general application.

Remarks:

Do not apply to copper substrates. Will cause staining of porous substrates such as marble, limestone, and granite. Not for sealing narrow joints, fillet joints, and face nail holes.
Not recommended for smearing and feathering over joints, or by itself joints where abrasion resistance is required (walkways, driveways, runways, etc.). Not for continuous immersion in water or any other fluid, or exterior or interior sealing below the waterline. Not for glazing applications. Bond line strength can be affected by UV rays through the clear material (glass, acrylic glass, polycarbonate). When fully cured, avoid exposure to fuels, or chlorinated, acid, or alkaline solutions. Contact with asphalts and other filler compounds impregnated with oil, asphalt, tar, etc., may deteriorate the cohesive strength of the substrate and ultimately compromise the seal. Lower relative humidity and temperature will significantly extend curing time. Confined areas, deep joints, and moisture barrier substrates may also affect the full cure time and extend it by many days. Exposure to UV/sunlight will alter original color or gloss. Effect is limited to the surface layer and will not compromise the sealing properties if joint dimensions are proper and the sealant is properly applied. Check shelf life prior to use. Do not use past shelf life. Shelf life of polyurethane sealants may be significantly reduced by high temperature and high relative humidity.

Application coverage rates (linear feet per 10.1 fl oz cartridge):

		Width							
		1/8”	**1/4”**	**3/8”**	**1/2”**	**5/8”**	**3/4”**	**7/8”**	**1”**
Depth	**1/8”**	99	49	33	24	20	16	14	12
	1/4”	NA	24	20	12	10	8	7	6
	3/8”	NA	NA	11	8	6	5	5	4
	1/2”	NA	NA	NA	6	5	4	3	3

Note: **70991 is for professional use only.**

Issued by: Hempel (USA) – 47XJB

This Product Data Sheet (“**PDS**”) relates to the supplied product (“**Product**”) and is subject to update from time-to-time. Accordingly, the buyer/applicator should refer to the PDS current as of the time of delivery. In addition to the PDS, the buyer/applicator may receive some or all of the specifications, statements and/or guidelines listed below or available at www.neogard.com (the “**Additional Documents**”):

No.	**Document Description**
1	PDS
2	Guide Specification
3	Application Manual
4	Other Technical Support Information (i.e. summary application tables, troubleshooting guides, maintenance manuals, chemical resistance charts and other technical information)

In the event of a conflict between this PDS and the Additional Documents, the conflict shall be resolved in accordance with the order of priority set forth above. In addition, the buyer/applicator should refer to the relevant Safety Data Sheet current as of the time of delivery and available at www.neogard.com. Buyer/applicator is responsible for determining the suitability of the intended use of the Product, and Neogard disclaims all responsibility for any use, handling and storage of the Product that is not in accordance with the requirements set forth in the relevant PDS and the Additional Documents. The terms and provisions hereof apply to this PDS, the Additional Documents and any other documents supplied by Neogard in respect of the Product. The Product is supplied and all technical assistance is given subject to the General Conditions of Sale of Hempel Products and/or Services available at www.hempel.com. NEOGARD MAKES NO OTHER WARRANTY THAT EXTENDS BEYOND THE WARRANTY REFERENCED THEREIN INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEOGARD WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION, OR THAT IN ANY WAY ARISE IN RELATION TO THE PRODUCT. 70991-PDS ksk 04122021.docx

Neogard®, a part of Hempel
2728 Empire Central - Dallas, Texas 75235 - Phone (214) 353-1600 - Fax (214) 357-7532 - www.neogard.com

Product Data Sheet

86218 (62ZJB)
Eternabond WebSeal Tape

Description:	86218 EternaBond WebSeal Tape (Hempel 62ZJB) is a sealant tape, primarily used in roofing applications.
Recommended use:	Sealing joints, seams, copings, gutters, skylights, and other areas which require a complete seal.
Features:	Bonds permanently to a wide range of roofing surfaces, including: EPDM, TPO, CSPE/Hypalon, most PVC, CPE , SBS, APP modifies, asphalt BURs, coal tar BURs, tiles, shingle, and all metal roofs. Also bonds to gypsum board, wood, polyethylene, propylene, polystyrene, fiberglass, brick, concrete, masonry, OSB, and others. Composed of a 100% solids formulation of synthetic resins, thermoplastics, non-curing rubber (non-butyl), and a built in primer, bonded to a woven polyester backing. Extremely flexible, with no memory; conforms to almost any shape without return. Self-sealing; can be cut and folded around objects. Silicone release liner protects the tape roll from contamination.
Service temperatures:	-70°F– >200°F/-56°C – >93°C
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

86218 (62ZJB99980)	Gray	Case, 4 rolls, 6” x 50’ (200 linear ft/case)

Contact Neogard for additional widths.

Physical constants:

Adhesion	19 lbs/in width	
Water vapor test	.005 grms/100" sq./24hrs/100°F	
Permanence	.001 perms maximum	ASTM E96B
Low temperature flexibility	1/2” radius at -30°F (-34°C)	
Elongation	>500%	
Pliability	No cracks in membrane	
Total thickness	30 mils (1 mm)	
Shelf life	Up to 5 years	

The above tested results are typical values. Individual lots may vary up to 10% from the typical value. Further technical information can be found at www.neogard.com.

Application details:

Application method:	Removing silicone release liner gradually to prevent contamination of the adhesive prior to application. Rub or roll with pressure using your hand or steel roller to activate bonding process. Apply a topcoat of roofing material for UV protection.
Safety:	Handle with care. Before and during use, observe all safety labels on packaging, consult Neogard Safety Data Sheets, and follow all local or national safety regulations.
Surface preparation:	Surface must be clean and dry; free of loose rust and scale, dust, talc, and dirt. Oil, grease, and other contaminants should be removed with a suitable solvent/cleaner. For older plastic roofs, score surface with sand cloth and wipe away dust.
Application conditions:	Temperature: -20°F–150°F/-28°C–65°C ambient.
Remarks:	For more information on EternaBond WebSeal, please contact EternaBond, Inc.: Phone: 888-336-2663 Fax: 847-837-9449 Web: www.eternabond.com

Note: **86218 is for professional use only.**

Issued by: Hempel (USA) – 62ZJB

This Product Data Sheet ("**PDS**") relates to the supplied product ("**Product**") and is subject to update from time-to-time. Accordingly, the buyer/applicator should refer to the PDS current as of the time of delivery. In addition to the PDS, the buyer/applicator may receive some or all of the specifications, statements and/or guidelines listed below or available at www.neogard.com (the "**Additional Documents**"):

No.	Document Description
1	PDS
2	Guide Specification
3	Application Manual
4	Other Technical Support Information (i.e. summary application tables, troubleshooting guides, maintenance manuals, chemical resistance charts and other technical information)

In the event of a conflict between this PDS and the Additional Documents, the conflict shall be resolved in accordance with the order of priority set forth above. In addition, the buyer/applicator should refer to the relevant Safety Data Sheet current as of the time of delivery and available at www.neogard.com. Buyer/applicator is responsible for determining the suitability of the intended use of the Product, and Neogard disclaims all responsibility for any use, handling and storage of the Product that is not in accordance with the requirements set forth in the relevant PDS and the Additional Documents. The terms and provisions hereof apply to this PDS, the Additional Documents and any other documents supplied by Neogard in respect of the Product.The Product is supplied and all technical assistance is given subject to the General Conditions of Sale of Hempel Products and/or Services available at www.hempel.com. NEOGARD MAKES NO OTHER WARRANTY THAT EXTENDS BEYOND THE WARRANTY REFERENCED THEREIN INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEOGARD WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION, OR THAT IN ANY WAY ARISE IN RELATION TO THE PRODUCT. 86218-PDS ksk 04122021.docx

Neogard®, a part of Hempel
2728 Empire Central - Dallas, Texas 75235 - Phone (214) 353-1600 - Fax (214) 357-7532 - www.neogard.com

Product Data
Ureprime® HS4 Epoxy Urethane Primer

15050: Base 15059: Curing agent 95070

Description:
Ureprime HS4 Epoxy Urethane Primer is a two component, high solids primer that meets VOC regulations requiring less than 100 grams/liter. It offers excellent smoothness that provides a premium topcoat appearance.

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

For roofing applications follow the applicable Neogard Guide Specification.

Features:
Uses same catalyst as ACRYLITHANE™ HS4
Solvent & chemical resistant
Uses as a primer / surfacer
Excellent corrosion resistance
Very low VOC - <100g/L

Service temperatures:
Maximum continuous dry heat exposure: 300°F/149°C

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

Physical constants:

Shade no./Color:	16640/White; 57920/Coral
Finish:	Semi-flat
Volume solids, %:	63% ± 2
Theoretical spreading rate:	12.39 m^2/liter - 50 microns [505 sq.ft./US gallon - 2.0 mils DFT]
Flash point:	61°F/16°C
Specific gravity:	1.58 kg/litre - 13.14 lbs/US gallon
Viscosity	35" / Zahn 3
Dry to touch:	6 hours at 20°C/68°F
Through Dry to handle	8 hours
VOC content (mixed):	97 g/litre [0.81 lbs/US gallon

The physical constants stated are nominal data according to the Hempel Group's approved formulas.

Application details:

Version, mixed product	**15050**
Mixing ratio:	BASE 15059 (JB 33014) : CURING AGENT 95041 (JB 99951) 4:1 by volume
Application method:	Airless spray / Air spray / Brush & Roll
Thinner (max.vol.):	Exempt Solvents such as Acetone or t-Butyl Acetate as needed to maintain 100g/L VOC
Pot life:	2.5 hours at 20°C/68°F
Nozzle orifice:	0.011"–0.013" airless / 0.110" or 2.8 MM fluid cap conventional
Nozzle pressure:	131 bar [2,000 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	Medium Reducer 0832
Indicated film thickness, dry:	50–125 microns / 2–5 mils (see REMARKS overleaf)
Indicated film thickness, wet:	71259 - 198 microns / 3.2–8.0 mils
Overcoat interval, min:	4 hours (20°C/68°F); 3 hours w/ 0.5 oz./mixed gallon of 99LJB accelerator (formerly 99041)

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

Surface preparation: 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 with a sharp-edged surface profile corresponding to Keane-Tator Comparator, 2.0 G/S, 2 S, or ISO Comparator, Medium (G).

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. Alternate reducers such as Acetone may be used to reduce product without adding VOC's.

Preceding coat: According to specification. Recommended systems are: Aluminum Adhesion Promoter; Chem-O-Plex Adhesion Promoter; Chem-O-Z HS2 Organic Zinc Rich Primer; Or Chem-O-Z Quick Dry Organic Zinc Rich Primer.

Subsequent coat: Acrylithane polyurethane enamels.

Remarks:

Mixing: Mix thoroughly before use. Add 1 quart of catalyst to a 1 gallon of Ureprime HS4 and mix thoroughly again. Only apply when air and surface temperature are between 44100°F. Add 08EJB (21102 Fast Spray Reducer) as required. When temperature is over 21°C/70°F, use 08320 (21092 Medium Reducer). Add 08BJB (21093 Slow Reducer) to reduce dry spray and orange peel, if required. 085JB (21078 Special Urethane Retarder) can be added to help add a wet edge for spraying large parts. 08DJB (21099 Brush/Roll Additive) can be used to help applications requiring brushing and rolling.

Pot Life: Approximately 2½ hours after mixing. Mix only the amount of material that can be used in 2 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: Under normal conditions, dries to touch in 6 hours and dries for overcoat in 8 hours. Low temperature, high humidity, poor ventilation and thick films will retard drying. Addition of accelerator 99LJB (formerly JB 99041) at the rate of 0.5 fl. /oz. per mixed gallon will shorten dry times to overcoat at 3 hours and to touch at 4 hours.

Maintenance: Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Clean damaged areas thoroughly by power tool cleaning to minimum St 2 (spot-repairs) or by abrasive blasting to min. Sa 2, preferably to Sa 2½ (ISO 8501-1:2007) or SSPC-SP 10. Improved surface preparation will improve the performance of the product. As an alternative to dry cleaning, water jetting to sound, well adhering coat and/or to steel. Intact coat must appear with roughened surface after the water jetting. By water jetting to steel, cleanliness shall be: Wa 2 -Wa 2½ (atmospheric exposure) / minimum Wa 2½ (immersion) (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. Dust off residues. Touch up to full film thickness. On pit corroded surfaces, excessive amounts of salt residues may call for high pressure water jetting, wet abrasive blasting or, alternatively, dry abrasive blasting, high pressure fresh water hosting, drying, and finally dry abrasive blasting again

Issued by: Hempel (USA) 15050

Product Data Sheet
ACRYLITHANE™ HS2 URETHANE

57010: BASE 57019: CURING AGENT 54041
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/00010* (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/litre - 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/litre [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 95041 (JB 99951) / 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 0832 (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/.

Thinning: Add 08EJB (formerly JB21102 Fast Spray Reducer) as required. When temperature is over 70°F, use 08320 (formerly 21092 Medium Reducer). Add 08BJB (formerly 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 (formerly JB99041) 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.**

Issued by: Hempel (USA) – 5701000010 / 5701100010

Product Data Sheet
ACRYLITHANE™ HS4 URETHANE

645J1: BASE 645J9: CURING AGENT 95041
645J2: BASE 645J9: CURING AGENT 95042

Description:
ACRYLITHANE™ HS4 POLYURETHANE is a two component, high performance polyurethane topcoat formulated for use in areas requiring VOC less than 100 grams / liter. It offers a full gloss, high quality appearance with exceptional color and gloss retention and good 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® HS4 PRIMER
Excellent color and gloss retention
Chemical resistant
Ultra-Low VOC

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

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

Physical constants:

Colors/shade Nos.:	White/00010* (JB 4600-040)
Finish:	High gloss
Volume solids, %:	59 ± 1
Theoretical spreading rate:	23.6 m2/l - 25 µ946 sq. ft./US gal. - 1 mil
Flash point:	46°F/8°C
Specific gravity:	1.22 kg/litre - 10.2 lbs/US gallon
Dry to touch:	8 hours at 20°C/68°F
Through dry to handle:	12 hours
Viscosity, mixed:	20-30" / Zahn 3
VOC content:	95 g/litre [0.79 lbs/US gallon]

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

Application details:

Version, mixed product	**645J1 / 645J2**
Mixing ratio:	BASE 645J9 : curing agent 95041 (JB 99951) / 95042 (JB 99961) 4:1 by volume
Application method:	Airless spray / Air spray / Brush & Roll
Thinner (max.vol.):	None / None / None (exempt solvents such as acetone, dimethyl carbonate or t-butyl acetate as needed)
Pot life:	1.5 hours at 20°C/68°F
Nozzle orifice:	0.011" – 0.013" airless / 0.110" or 2.8 MM fluid cap conventional
Nozzle pressure:	138 bar [2,000 psi] *(Airless spray data are indicative and subject to adjustment)*
Cleaning of tools:	MEDIUM REDUCER 0832 (formerly JB 21092)
Indicated film thickness, dry:	38 – 76 µ / 1.5 – 3.0 mils
Indicated film thickness, wet:	60 – 120 µ / 2.3 – 4.8 mils
Overcoat interval, min:	6 hours (20°C/68°F); 4 hours w/ 0.5 oz./mixed gallon of 99LJB accelerator (formerly JB 99041)
Overcoat interval, max:	See REMARKS overleaf

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: Prime 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's.

Preceding coat: According to specification. Recommended systems are: UREPRIME® HS4; CHEM-O-GARD LOW VOC PRIMER.

Subsequent coat: None, or according to specification. Recommended systems are: ACRYLITHANE™ HS4.

Remarks: Mixing: Mix thoroughly before use. Add 1 quart of catalyst to a 1 gallon of ACRYLITHANE™ HS4 and mix thoroughly again. Only apply when air and surface temperature are between 44 - 100°F.

Thinning: If using in California South Coast Air Quality Management District, use Acetone or tertiary butyl acetate. If using in other VOC regulated zones, then add 08EJB (formerly JB21102 Fast Spray Reducer) as required. When temperature is over 70°F, use 08320 (formerly JB21092 Medium Reducer). Add 08BJB (formerly JB21093 Slow Reducer) to reduce dry spray and orange peel, if required. 085JB (formerly JB21078 Special Urethane Retarder) can be added to help add a wet edge for spraying large parts.

Brush/roller: Use 08DJB (formerly JB21099 Brush/Roll Additive) for a smoother film.

Drying: Under normal conditions, dries to touch in 8 hours and dries for overcoat in 6 hours. Low temperature, high humidity, poor ventilation and thick films will retard drying. Addition of accelerator 99LJB (formerly JB99041) at the rate of 0.5 fl. /oz. per mixed gallon will shorten dry times to overcoat at 4 hours and to touch at 7 hours.

Pot life: Approximately 1 ½ hours after mixing. Mix only the amount of material that can be used in 1 ½ 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™ HS4 URETHANE is for professional use only.**

Issued by: Hempel (USA) – 645J100010 / 645J200010

Product Data Sheet

7740/7741 — Epoxy Primer
252JB: Base 252J9 : Curing Agent 95WJB

Description: 7740/7741 (Hempel 252JB) primer is a two-component, 100% solids epoxy primer.

Recommended use: 7740/7741 primer is applied to wood and concrete surfaces prior to applying surface applied waterproofing systems, in particular Pool-Gard C.

Availability: Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7740 (252J900000)	Brown	3-gallon kit
7741 (95WJB00000)	Neutral	

Physical constants:

Water Resistance	<2%	ASTM D570
MVT @ 10 Mils	<0.11	ASTM E96
Taber Abrasion	53 mg/1,000 cs17	ASTM D4060
Shore D	80	ASTM D2240
Adhesion	650 psi	ASTM D4541
Weight/Gal (mixed)	9.95 lbs/gal	ASTM D1475
Weight Solids (mixed)	99.1%	ASTM D4209
Volume Solids (mixed)	98.6%	Calculated
Viscosity (mixed)	6,000 cps	ASTM D2196
VOC (mixed)	<11 g/L	EPA Method 24

The above tested results are typical values. Individual lots may vary up to 10% from the typical value. Further technical information can be found at www.neogard.com.

Application details:

Version, mixed product	**252JB**
Mixing ratio:	Base 252J9 : Curing Agent 95WJB 2 : 1 by volume
Mixing instructions:	Pre-mix base for 3–5 minutes before adding curing agent. Mix for a minimum of 5 minutes before applying. Jiffy Mixer paddle recommended.
Application method:	Roller or spray (contact Neogard for spray equipment information)
Thinner:	Do not thin
Pot life:	60–90 minutes at 75°F/23°C
Cleaning of tools:	Hempel's Thinner 08080 (xylene)

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

Surface preparation: According to Neogard Guide Specifications.

Application conditions: According to Neogard Guide Specifications.

Subsequent coat: According to Neogard Guide Specifications.

Storage temperature: 50°F–85°F/10°C–30°C

Remarks: Do not thin 7740/7741.

Note: **7740/7741 is for professional use only.**

Issued by: Hempel (USA) – 252JB

This Product Data Sheet ("**PDS**") relates to the supplied product ("**Product**") and is subject to update from time-to-time. Accordingly, the buyer/applicator should refer to the PDS current as of the time of delivery. In addition to the PDS, the buyer/applicator may receive some or all of the specifications, statements and/or guidelines listed below or available at www.neogard.com (the "**Additional Documents**"):

No.	Document Description
1	PDS
2	Guide Specification
3	Application Manual
4	Other Technical Support Information (i.e. summary application tables, troubleshooting guides, maintenance manuals, chemical resistance charts and other technical information)

In the event of a conflict between this PDS and the Additional Documents, the conflict shall be resolved in accordance with the order of priority set forth above. In addition, the buyer/applicator should refer to the relevant Safety Data Sheet current as of the time of delivery and available at www.neogard.com. Buyer/applicator is responsible for determining the suitability of the intended use of the Product, and Neogard disclaims all responsibility for any use, handling and storage of the Product that is not in accordance with the requirements set forth in the relevant PDS and the Additional Documents. The terms and provisions hereof apply to this PDS, the Additional Documents and any other documents supplied by Neogard in respect of the Product. The Product is supplied and all technical assistance is given subject to the General Conditions of Sale of Hempel Products and/or Services available at www.hempel.com. NEOGARD MAKES NO OTHER WARRANTY THAT EXTENDS BEYOND THE WARRANTY REFERENCED THEREIN INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEOGARD WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION, OR THAT IN ANY WAY ARISE IN RELATION TO THE PRODUCT. 7740-7741-PDS ksk 04142021.docx

Neogard®, a part of Hempel
2728 Empire Central - Dallas, Texas 75235 - Phone (214) 353-1600 - Fax (214) 357-7532 - www.neogard.com

Product Data Sheet

7825/7821 — Aromatic Urethane for Pool-Gard C
47NJB: Base 47NJ9 : Curing Agent 947JB

Description: 7825/7821 (Hempel 47NJB) is a two-component aromatic urethane.

Recommended use: As a waterproofing membrane for reflecting pools and fountains in the Pool-Gard C waterproofing system.

Features: Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.

Availability: Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7825 (47NJ900000)	Black	3-gallon
7821 (947JB19990)	Neutral	1-gallon

Physical constants:

Tensile Strength	1,500 psi	ASTM D412
Elongation	300%	ASTM D412
Permanent Set	20%	ASTM D412
Tear Resistance	160 lb/in	ASTM D1004
Water Resistance	<2%	ASTM D471
MVT at 20 mils	0.5 English Perm	ASTM E96
Taber Abrasion	5 mg/1,000 cs17	ASTM D4060
Shore A	80–90	ASTM D2240
Adhesion	400 psi	ASTM D4541
Weight/Gallon (mixed)	9.5 lbs/gal	ASTM D1475
Weight Solids (mixed)	99+%	ASTM D4209
Volume Solids (mixed)	99%	Calculated
VOC (mixed)	<15 g/L	EPA Method 24
Viscosity (mixed)	110 KU	ASTM D562
Flash Point	250°F	ASTM D3278
Shelf Life	1 year	
Cure to Recoat at 75°F/23°C, 50% relative humidity	6 hours	

The above tested results are typical values. Individual lots may vary up to 10% from the typical value. Further technical information can be found at www.neogard.com.

Application details:

Version, mixed product	**47NJB**
Mixing ratio:	Base 47NJ9 : Curing Agent 947JB 3 : 1 by volume
Mixing instructions:	Pre-mix base for 3–5 minutes before adding curing agent. Mix for a minimum of 5 minutes before applying. Jiffy Mixer paddle recommended.
Application method:	Roller or squeegee
Thinner (max.vol.):	Hempel's Thinner 08080 (xylene) (10%)
Pot life:	20 minutes at 75°F/23°C
Cleaning of tools:	Hempel's Thinner 08080 (xylene)

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

Surface preparation: According to Neogard Guide Specifications.

Application conditions: Substrate temperature must be between 40°F/4°C and 110°F/32°C.

Product Data Sheet

7825/7821 — Aromatic Urethane for Pool-Gard C
47NJB: Base 47NJ9 : Curing Agent 947JB

Preceding coat:	According to Neogard Guide Specifications.
Subsequent coat:	According to Neogard Guide Specifications.
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
Remarks:	Must be protected from UV exposure. System must cure minimum 10 days prior to filling pool. For on-grade applications, substrates constructed over unvented metal decks or between-slab applications, contact Neogard Technical Service.

Note: **7825/7821 is for professional use only.**

Issued by: Hempel (USA) – 47NJB

This Product Data Sheet ("**PDS**") relates to the supplied product ("**Product**") and is subject to update from time-to-time. Accordingly, the buyer/applicator should refer to the PDS current as of the time of delivery. In addition to the PDS, the buyer/applicator may receive some or all of the specifications, statements and/or guidelines listed below or available at www.neogard.com (the "**Additional Documents**"):

No.	Document Description
1	PDS
2	Guide Specification
3	Application Manual
4	Other Technical Support Information (i.e. summary application tables, troubleshooting guides, maintenance manuals, chemical resistance charts and other technical information)

In the event of a conflict between this PDS and the Additional Documents, the conflict shall be resolved in accordance with the order of priority set forth above. In addition, the buyer/applicator should refer to the relevant Safety Data Sheet current as of the time of delivery and available at www.neogard.com. Buyer/applicator is responsible for determining the suitability of the intended use of the Product, and Neogard disclaims all responsibility for any use, handling and storage of the Product that is not in accordance with the requirements set forth in the relevant PDS and the Additional Documents. The terms and provisions hereof apply to this PDS, the Additional Documents and any other documents supplied by Neogard in respect of the Product. The Product is supplied and all technical assistance is given subject to the General Conditions of Sale of Hempel Products and/or Services available at www.hempel.com. NEOGARD MAKES NO OTHER WARRANTY THAT EXTENDS BEYOND THE WARRANTY REFERENCED THEREIN INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEOGARD WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION, OR THAT IN ANY WAY ARISE IN RELATION TO THE PRODUCT.
7825-7821-PDS ksk 07092021.docx

Neogard®, a part of Hempel
2728 Empire Central - Dallas, Texas 75235 - Phone (214) 353-1600 - Fax (214) 357-7532 - www.neogard.com