

ElastaGard

Table of Contents

70991 Polyurethane Sealant	Product Data Sheet	English	2
7055 Urethane Reducer, Odorless	Product Data Sheet	English	4
7797/7798 Urethane Primer, Low VOC	Product Data Sheet	English	5
7780/7781 Epoxy Primer, Water Borne	Product Data Sheet	English	7
Tietex T272 Fabric	Product Data Sheet	English	9
70690 Urethane Mastic	Product Data Sheet	English	11
70620-CA Base Coat, Low VOC	Product Data Sheet	English	13
7490-CA Topcoat, Aliphatic Urethane, Low VOC	Product Data Sheet	English	15
08080 Xylene Thinner/Cleaner	Product Data Sheet	English	17
8500 Biodegradable Cleaner	Product Data Sheet	English	18
7720 Primer for TPO Substrates	Product Data Sheet	English	20
86218 WebSeal Flashing Tape	Product Data Sheet	English	22
70620 Base Coat, Aromatic	Product Data Sheet	English	24

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
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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.
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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.
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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

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Product Data Sheet

7055 (086JB) Odorless Reducer



Description:	7055 (Hempel 086JB1L001) is an odorless, clear and colorless reducer, composed of a 50/50 by weight blend of odorless mineral spirits and DB acetate.
Recommended use:	7055 may be used as a material thinner and cleaning solvent. For more information, refer to material Product Data Sheets, Application Manuals, or the Neogard Thinning and Cleaning Solvents Quick Note available on our website.
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7055 (086JB1L001)	Clear	1-gallon
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Physical constants:

Weight/Gallon	7.14 lbs/gal	ASTM D5201
Weight Solids	0%	ASTM D5201
Volume Solids	0%	ASTM D5201
VOC	856 g/L	ASTM D5201
Viscosity	<1 cps	ASTM D2196
Flash Point	131°F/55°C	ASTM D3278

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.

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.
Storage:	Store in a cool area to insure long shelf life (70°/21°C). Keep containers away from heat and/or open flames. Keep containers closed when not in use.
Remarks:	Thin Neogard materials by at most 10% by volume with 7055, and only if necessary. Consult Neogard Technical Service before thinning materials by more than 10%.

Note: 7055 is for professional use only.

Issued by: Hempel (USA) – 086JB

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Product Data Sheet

7797/7798 — Urethane Primer

254JB: Base 254J9 : Curing Agent 946JB



Description:	7797/7798 (Hempel 254JB) is a two-component, high solids, low odor urethane primer.
Recommended use:	7797/7798 is applied to surfaces to promote adhesion of standard and fast-cure elastomeric coatings. It may also be applied over existing coatings.
Certificates/approvals:	LEED: BDc4, IDc4 Factory Mutual: Class A
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7797 (254J900000)	Amber	3-gallon kit
7798 (946JB00000)	Neutral	

Physical constants:

Weight/Gal (mixed)	8.99 lbs/gal	ASTM D1475
Weight Solids (mixed)	91%	ASTM D5201
Volume Solids (mixed)	91%	ASTM D5201
Viscosity (mixed)	160 cps	ASTM D562
VOC (mixed)	0.01 g/L	ASTM D5201
Adhesion to Concrete	500 psi	ASTM D4541
Adhesion to 70613, 70630	Meets requirements	ASTM D903
Adhesion to 7430, FC7510/FC7961, FC7520/FC7962, FC7530/FC7963, FC7540/FC7964	≥400 psi	ASTM D7234

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	254JB
Mixing ratio:	Base 254J9 : Curing Agent 946JB 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, brush, or spray (contact Neogard for spray equipment information)
Recommended application rate:	300–500 sq ft/gallon
Thinner (max.vol.):	Do not thin
Pot life:	30 minutes at 77°F/25°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. Use with adequate ventilation.
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Surface preparation:	According to Neogard Guide Specifications.
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Application conditions:	Substrate temperature must be ≥40°F/4°C and <110°F/32°C.
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Subsequent coat:	According to Neogard Guide Specifications.
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Storage temperature:	75°F/23°C
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Remarks:	Apply coating within 24 hours of primer application. Not recommended for constant immersion. Not compatible with asphaltic compounds. For on-grade applications, substrates constructed over unvented metal decks or between-slab applications, contact the Neogard Technical Service Department.
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Product Data Sheet

7797/7798 — Urethane Primer

254JB: Base 254J9 : Curing Agent 946JB



Note: **7797/7798 is for professional use only.**

Issued by: Hempel (USA) – 245JB

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Product Data Sheet

7780/7781 — Water-Borne Epoxy Primer 280JB: Base 280J9 : Curing Agent 98060



Description:	7780/7781 (Hempel 280JB) primer is a two-component, water-borne epoxy primer.
Recommended use:	7780/7781 is applied to wood and concrete substrates prior to the application of high performance surface-applied coating systems.
Certificates/approvals:	LEED: BDc4, IDc4 Factory Mutual: Class A
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7780 (280J95L071)	Red	5-gallon kit
7781 (9806000000)	Neutral	

Physical constants:

MVT at 7 mils	0.42 Perms	ASTM E96
Adhesion to concrete	400 psi	ASTM D4541
Adhesion to 7430, 70410, 70420, FC7500/FC7960, FC7510/FC7961, FC7520/FC7962, FC7530/FC7963	>400 psi	ASTM D7234

Weight/gal (density, mixed)	8.9 lbs/gal	ASTM D1475
Weight solids (mixed)	32.4%	ASTM D4209
Volume solids (mixed)	28%	Calculated
Viscosity (mixed)	36 sec, Z1 cup, 77°F/25°C	ASTM D4212
VOC (mixed)	85 g/L	EPA Method 24
Flash point, 7780 & 7781	>230°F/110°C	ASTM D3278

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	280JB
Mixing ratio:	Base 280J9 : Curing Agent 98060 4 : 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 (max.vol.):	Do not thin
Pot life:	2 hours at 75°F/23°C
Cleaning of tools:	Water

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.
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Surface preparation:	According to Neogard Guide Specifications.
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Application conditions:	Recommended air temperature: ≥50°F/10°C. Recommended relative humidity: 45–75%. Temperature of concrete must be at least 5°F/3°C above the air dew point during coating application and cure time. Avoid application on a damp surface. Do not apply in the late afternoon if moisture condensation can appear during the night.
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Subsequent coat:	According to Neogard Guide Specifications.
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Product Data Sheet

7780/7781 — Water-Borne Epoxy Primer
280JB: Base 280J9 : Curing Agent 98060



Storage temperature: Store above freezing (32°F/0°C). Freezing will cause 7780/7781 to become unusable. Do not ship or store unless protection from freezing is available. Do not apply if conditions will not permit complete cure before rain, dew or freezing temperatures occur.

Remarks: Avoid applying a thick film. Thick film increases cure time, especially at low temperature and high relative humidity, and may blister and crack on a hot concrete surface.

Note: **7780/7781 is for professional use only.**

Issued by: Hempel (USA) – 280JB

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Product Data Sheet

86220 (63BJB)

Tietex T272 Roofing Fabric



Description: 86220 (Hempel 63BJB) Tietex T272 Roofing Fabric is a stitchbonded, 100% polyester reinforcing material.

Recommended use: 86220 is embedded in Neogard fluid-applied materials to reinforce roofing and deck coating systems.

Features: High strength and elongation
Accommodates thermal stress
Conforms to irregular surfaces

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

Colors and packaging:

86220 (63BJB99980)	White	Case, 4 rolls, 6" x 300' (1,200 linear ft/case)
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Physical constants:

Tensile strength (1" Jaws)	WARP 74 lbs, WEFT 45 lbs	ASTM D5034
Elongation at break	WARP 21.3%, WEFT 51.3%	ASTM D5034
Elongation	61 - 63%	ASTM D1682
Ball burst	111 lbs	ASTM D3787
Mullen burst	176.8 lbs	ASTM D3786
Trapezoid (tear strength)	WARP 13.5 lbs, WEFT 24.2 lbs	ASTM D1117
Trapezoid	16.1 lbs	ASTM D1117
Thickness	.018	ASTM D1777
Gauge	18	
CPI	18	
Finished weight	3.41 oz/square yard	

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: Embed 86220 into Neogard fluid-applied coatings, without stretching, and roll or brush to eliminate wrinkles and/or air pockets. Roll or brush another layer of coating over the fabric. Feather edges to completely cover the fabric and provide a smooth transition to of the coating to the surface.

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.

Remarks: For more information on Tietex T272 Roofing Fabric, contact Tietex International, Ltd.:
3010 North Blackstock Road
Spartanburg, SC 29301, USA
Phone: 864-574-0500
Fax: 864-574-9490
tietex.com

Product Data Sheet

86220 (63BJB)

Tietex T272 Roofing Fabric



Note: **86220 is for professional use only.**

Issued by: Hempel (USA) – 63BJB

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Product Data Sheet

70690 (47CJB) Roofing Mastic



Description:	70690 (Hempel 47CJB) is a single-component, moisture-cured, aromatic polyurethane mastic.
Recommended use:	For repairs and detailing on polyurethane foam, concrete, metal, modified bitumen, and single-ply roof systems.
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

70690 (47CJB16640)	White	3-gallon pail
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Physical constants:

Tensile strength	515 psi	ASTM D412
Elongation	510%	ASTM D412
Permanent set	6.25%	ASTM D412
Tear resistance	0.44 lbs	ASTM D1004
Water resistance	3.7% at 7 days	ASTM D471
Shore A	57	ASTM D2240
Weight/gallon	10.77 lbs./gal	ASTM D1475
Weight solids	87.09	ASTM D2369
Volume solids	75.3	Calculated
VOC	210g/L	ASTM D3960
Flash point	220°F/104°C	ASTM D56
Cure time	24 hours	
Shelf life	6 months	

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:	Knife, roller, gun, or other appropriate tools/methods
Thinner (max.vol.):	7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene) (10%)
Cleaning of tools:	7055 Odorless Reducer (086JB) or 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.
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Surface preparation:	According to Neogard Guide Specifications.
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Application conditions:	Substrate temperature must be above 50°F/10°C and/or below 110°F/43°C, and more than 5°F/3°C above the dew point and rising. Maximum relative humidity: 80%.
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Preceding coat:	According to Neogard Guide Specifications.
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Subsequent coat:	According to Neogard Guide Specifications.
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Accelerators and additives:	7922 (990JB00000): Vertical additive, enhances sag resistance. 7931 (9905500000): Fast accelerator for use in low humidity environments. 7986 (994JB00000): Odor mask, synthetic vanilla scent. 7987 (995JB00000): Odor mask, orange scent.
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Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
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Product Data Sheet

70690 (47CJB)
Roofing Mastic



Note: **70690 is for professional use only.**

Issued by: Hempel (USA) – 47CJB

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Product Data Sheet

70620-CA (474JB)

Aromatic Roofing Urethane, SCAQMD-Compliant



Description:	70620-CA (Hempel 474JB) is a single-component, moisture-cured, fire-retardant, aromatic polyurethane.
Recommended use:	As a base coat for polyurethane foam, concrete, modified bitumen, smooth-surface BUR, and single-ply roof systems.
Features:	Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Certificates/approvals:	LEED: MRc5 UL: TGFU.R6034 Factory Mutual: Class A
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

70620-CA (474JB16670)	Dark Gray	55- and 5-gallon
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Physical constants:

Tensile strength	1,000 psi	ASTM D412
Elongation	375%	ASTM D412
Permanent set	<10%	ASTM D412
Tear resistance	100 lb/in	ASTM D1004
Water resistance	<3%	ASTM D471
Shore A	50–55	ASTM D2240
Fire resistance	Pass (as part of a system)	ASTM E108
Weight/gallon	11.7 lbs/gal	ASTM D1475
Weight solids	81%	ASTM D4209
Volume solids	77%	Calculated
VOC	47 g/L	EPA Method 24
Flash point	78°F/25°C	ASTM D3278
Shelf life	6 months	
Cure time at 75°F/23°C and 50% relative humidity	24 hours	TT-S-00230A

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:	Roller or spray (contact Neogard for spray equipment information)
Thinner (max.vol.):	Acetone (10%)
Mixing:	Mix for a minimum of 3–5 minutes before applying
Pot life:	8 hours at 75°F/23°C
Cleaning of tools:	Acetone

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.
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Application conditions:	Substrate temperature must be above 40°F/5°C and/or below 100°F/37°C, and more than 5°F/3°C above the dewpoint and rising.
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Preceding coat:	According to Neogard Guide Specifications.
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Subsequent coat:	According to Neogard Guide Specifications.
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Product Data Sheet

70620-CA (474JB)

Aromatic Roofing Urethane, SCAQMD-Compliant



Accelerators and additives: 7986 (994JB00000): Odor mask, synthetic vanilla scent.
7987 (995JB00000): Odor mask, orange scent.

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

Remarks: Not resistant to UV; not intended as a topcoat. Sensitive to moisture; not recommended for constant immersion. Concrete must have a full 28 day cure period prior to coating. Not compatible with asphaltic compounds. Not for use with insulating concrete such as Zonolite, Vermiculite, Perlite, etc. Not for use over aluminized coated roofs.

Note: 70620-CA is for professional use only.

Issued by: Hempel (USA) – 474JB

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Product Data Sheet

7490-CA (47YJB)

Aliphatic Urethane Roof Coating, SCAQMD-Compliant



Description:	7490-CA (Hempel 47YJB) is a single-component, aliphatic polyurethane.
Recommended use:	As a weather-protective topcoat for polyurethane foam, concrete, metal, single-ply and built-up/modified bitumen roof systems.
Features:	Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Certificates/approvals:	LEED: MRc5, SSc7.2 CRRC: 0720-0010 Miami-Dade: NOA No.: 16-0222.02, NOA No.: 16-0322.27 UL: TGFU.R6034 Factory Mutual: Class A USDA BioPreferred: 21% content
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7490-CA (47YJB10000)	White	
7490-CA (47YJB16660)	Light Gray	5- and 55-gallon
7490-CA (47YJB23820)	Tan	

Physical constants:

Tensile strength	2,300 psi	ASTM D412
Elongation	230%	ASTM D412
Permanent set	10%	ASTM D412
Tear resistance	200 pli	ASTM D1004
Water resistance	<2% at 7 days	ASTM D471
Taber abrasion	16 mg, 1,000 CS-17	ASTM D4060
MVT at 20 mils	0.9 perms	ASTM E96
Shore A	85	ASTM D2240
SRI	111	ASTM E1980
Fire resistance	Pass (as part of a system)	ASTM E108
Weight/gallon	10.77 lbs/gal	ASTM D1475
Weight solids	79.5%	ASTM D5201
Volume solids	76.7%	ASTM D5201
VOC	<50 g/L	ASTM D5201
Viscosity	100 KU	ASTM D2169
Shelf life	1 year	
Cure time, 77°F/25°C, 50% relative humidity	6–12 hours	
Cure to recoat, 75°F/23°C, 50% relative humidity	18 hours minimum	

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:	Roller or spray (contact Neogard for spray equipment information)
Thinner (max.vol.):	Acetone (10%)
Mixing:	Mix for 3–5 minutes before applying; Jiffy Mixer paddle recommended
Cleaning of tools:	Acetone

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.
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Product Data Sheet

7490-CA (47YJB)

Aliphatic Urethane Roof Coating, SCAQMD-Compliant



Application conditions:	Substrate temperature must be above 40°F/5°C and/or below 100°F/37°C, and more than 5°F/3°C above the dewpoint and rising.
Preceding coat:	According to Neogard Guide Specifications.
Accelerators and additives:	7986 (994JB00000): Odor mask, synthetic vanilla scent. 7987 (995JB00000): Odor mask, orange scent.
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
Remarks:	Product is sensitive to moisture; not recommended for constant immersion. Concrete must have a full 28 day cure period prior to coating. Not compatible with asphaltic compounds. Not for use with insulating concrete such as Zonolite, Vermiculite, Perlite, etc. Not for use over aluminized coated roofs.

Note: 7490-CA is for professional use only.

Issued by: Hempel (USA) – 47YJB

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Description:

HEMPEL PAINT is produced and supplied in such a way that thinning is normally not necessary provided the paint is properly mixed/stirred.
However, if the paint is to be applied in a low film thickness (for instance as a "sealer coat") or if the paint has become too thick, e.g. in cold weather, the HEMPEL THINNER(s) indicated on the product data sheet may be added to obtain a consistency most suitable for application. As a general rule, thinning should be kept at a minimum as the quality of the paint work will suffer from too liberal thinning. However, if application is to take place at high temperatures (air and/or steel), thinning may even beyond the limits mentioned on the data sheets exceptionally be necessary in order to avoid dry-spray and poor film formation.
HEMPEL'S THINNERS are blended to give the best results with regard to brush ability, spray properties, etc.
In some cases ordinary solvents may substitute. As such products are beyond our control, we disclaim any responsibility for the results.
In each case the respective product data sheet and - when available - the APPLICATION INSTRUCTIONS should be consulted. As regards the use of THINNERS for cleaning of tools, see REMARKS overleaf.

Recommended use:

08080 (25°C/77°F)
HEMPAQUICK qualities.
HEMPATEX qualities.
HEMPATHANE topcoats and enamels.
HEMPEL'S ANTIFOULINGS, GLOBIC and DYNAMIC, OCEANIC and OLYMPIC.
Part of Group Assortment. Local availability subject to confirmation.

Availability:**PHYSICAL CONSTANTS:**

Shade nos/Colours: 00000/ Colourless.
Flash point: 23 °C [73.4 °F]
Specific gravity: 0.9 kg/litre [7.3 lbs/US gallon]
VOC content: 870 g/l [7.2 lbs/US gallon]

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

APPLICATION DETAILS:**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.

REMARKS:

Tools can usually be cleaned with the THINNER prescribed for the product.

Note:

HEMPEL'S THINNER 08080 For professional use only.

ISSUED BY:

HEMPEL A/S

0808000000

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on www.hempel.com. Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

The Products are supplied and all technical assistance is given subject to HEMPEL's GENERAL CONDITIONS OF SALES, DELIVERY AND SERVICE, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said GENERAL CONDITIONS for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise. Product data are subject to change without notice and become void five years from the date of issue.

Product Data Sheet

8500 (089JB)

BioDegradable Cleaner



Description:	8500 BioDegradable Cleaner (BDC, Hempel 089JB) is a water-soluble cleaning concentrate designed to clean a wide variety of construction surfaces.		
Recommended use:	Cleaning of construction surfaces prior to coating, and cleaning of applied coatings. BDC can clean decks, roofs, floors, and walls prior to coating. BDC can clean aged acrylic, epoxy, polyurethane, and silicone coatings on decks, walls, and floors (all coatings must have a minimum 30-day cure). It can clean uncoated surfaces like concrete, masonry, and metal.		
Features:	Non-toxic Bio-based Environmentally friendly		
Certificates/approvals:	U.S. EPA DfE: 8500 is manufactured from materials recognized by the U.S. Environmental Protection Agency in their Design for the Environment (DfE) program.		
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.		
Colors and packaging:			
8500 (089JB00000)	Light Amber (concentrate); Clear (diluted)	5-gallon pail	
Physical constants:			
pH:	8.7 (concentrate); Neutral (Runoff)		
Bio-Based Content:	>65% <i>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.</i>		
Application details:			
Standard cleaning:	1. Dilute the BDC concentrate with 10 parts water to 1 part cleaner. 2. Apply the diluted cleaning solution to the substrate at a rate of approximately 450 square feet per gallon. Allow the solution to stand for 15 minutes. Do not allow the solution to dry. Areas with heavy dirt build up may require additional solution as well as scrubbing with a stiff-bristled broom. 3. Before cleaner dries, rinse the surface under high pressure with clear water. Rinse thoroughly until cleaning solution has been fully removed. 4. For maximum cleaning, use an extension wand and standard spray tip close to the substrate. 5. Repeat the clean and rinse process until the desired surface finish is achieved. 6. Allow the substrate to fully dry before applying coating.		
Spot cleaning:	1. In areas with very heavy dirt buildup, use BDC in concentrate form. Apply a small amount of solution to the affected area and scrub with a stiff-bristled broom. 2. Before cleaner dries, rinse the surface under high pressure with clear water. Rinse thoroughly until cleaning solution has been fully removed. 3. For maximum cleaning, use an extension wand and standard spray tip close to the substrate. 4. Repeat the clean and rinse process until the desired surface finish is achieved. 5. Allow the substrate to fully dry before applying coating.		
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.		

Product Data Sheet

8500 (089JB)

BioDegradable Cleaner



Note: **8500 is for professional use only.**

Issued by: Hempel (USA) – 089JBB

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3	Application Manual
4	Other Technical Support Information (i.e. summary application tables, troubleshooting guides, maintenance manuals, chemical resistance charts and other technical information)

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Product Data Sheet

7720 (263JB)

High-Adhesion Primer for TPO



Description:	7720 (Hempel 263JB4L060) primer is a single component, low VOC primer.
Recommended use:	To assist in adhesion and preparation of surfaces for application of standard cure elastomeric coatings over hard-to-adhere TPO surfaces.
Certificates/approvals:	Factory Mutual: Class A
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7720 (263JB4L060)	Green	1-gallon
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Physical constants:

Weight/Gallon	7.50 lbs/gal	ASTM D1475
Weight Solids	20%	ASTM D5201
Volume Solids	19.4%	ASTM D5201
Viscosity	127 KU	ASTM D562
VOC	96.97 g/L	ASTM D5201
Adhesion to new TPO, xylene wipe	6.9 psi dry, 5.8 psi wet	ASTM D903

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:	Roller (1/4" nap, phenolic core)
Thinner (max.vol.):	Do not thin
Mixing:	Mix for a minimum of 3–5 minute/minutes before applying
Pot life:	37 minutes at 77°F/25°C
Application rate:	300–400 feet ² /gallon over TPO (may vary due to texture/porosity of other substrates)
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.
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Surface preparation:	According to Neogard Guide Specifications.
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Application conditions:	Substrate temperature must be above 40°F/5°C and/or below 110°F/37°C.
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Subsequent coat:	According to Neogard Guide Specifications.
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Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
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Remarks:	Coating may be applied when primer is tacky but not transferable, approximately 1 hour at 75°F/23°C, 50% relative humidity. Apply coating within 3 hours of primer application.
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Product Data Sheet

7720 (263JB)

High-Adhesion Primer for TPO



Note: **7720 is for professional use only.**

Issued by: Hempel (USA) – 263JB

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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		

Product Data Sheet

86218 (62ZJB)

Eternabond WebSeal Tape



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

Issued by: Hempel (USA) – 62ZJB

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Product Data Sheet

70620 (473JB)

Aromatic Roofing Urethane



Description:	70620 (Hempel 473JB) is a single-component, moisture-cured, fire retardant, aromatic polyurethane.
Recommended use:	As a base coat for polyurethane foam, concrete, and single-ply roof systems.
Certificates/approvals:	LEED: MRc5 UL: TGFU.R6034 Miami-Dade: NOA No.: 16-0322.27 Factory Mutual: Class A
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

70620 (473JB16670)	Dark Gray	55- and 5-gallon
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Physical constants:

Tensile strength	643 psi	ASTM D412
Elongation	620%	ASTM D412
Permanent set	5%	ASTM D412
Tear resistance	2.205 (lbs-force)	ASTM D1004
Water resistance	<3% at 7 days	ASTM D471
Shore A	65–71	ASTM D2240
Adhesion to foam	18.24 lbs/in	ASTM D903
Recoat time at 75°F/23°C, 50% relative humidity	5 hours (25 mils WFT)	Calculated
Weight/gallon	10.38 lbs/gal	ASTM D1475
Weight solids	81%	ASTM D2369
Volume solids	77%	Calculated
VOC	205 g/L	ASTM D3960
Flash point	127°F/52°C	ASTM D56
Shelf life	1 year	

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:	Roller or spray (contact Neogard for spray equipment information)
Thinner (max.vol.):	7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene) (10%)
Mixing:	Mix for a minimum of 3–5 minutes before applying
Cleaning of tools:	7055 Odorless Reducer (086JB) or 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.
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Application conditions:	Substrate temperature must be above 40°F/5°C and/or below 100°F/37°C, and more than 5°F/3°C above the dewpoint and rising.
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Preceding coat:	According to Neogard Guide Specifications.
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Subsequent coat:	According to Neogard Guide Specifications.
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Accelerators and additives:	7922 (990JB00000): Vertical additive, enhances sag resistance. 7931 (9905500000): Fast accelerator for use in low humidity environments. 7986 (994JB00000): Odor mask, synthetic vanilla scent. 7987 (995JB00000): Odor mask, orange scent.
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Product Data Sheet

70620 (473JB)

Aromatic Roofing Urethane



Storage temperature:

Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.

Remarks:

Not resistant to UV; not intended as a topcoat. Sensitive to moisture; not recommended for constant immersion. Concrete must have a full 28 day cure period prior to coating. Not compatible with asphaltic compounds. Not for use with insulating concrete such as Zonolite, Vermiculite, Perlite, etc. Not for use over aluminized coated roofs.

Note:

70620 is for professional use only.

Issued by:

Hempel (USA) – 473JB

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. 70620-PDS ksk 09302021.docx

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