

Decorative Pedagard FC

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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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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)

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Product Data Sheet

70817/70818 — High-Solids Chemical Resistant Urethane
57070: Base 57079 : Curing Agent 95059



Description:	70817/70818 (Hempel 57070) is a two-component, ultra-high solids, chemical-resistant aliphatic polyurethane.
Recommended use:	As a topcoat for Neogard decorative flooring and waterproofing systems.
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:

70817 (5707900050)	Clear (Tintable)	
70817-01 (5707916640)	White	2-gallon kit (mixed)
70818 (9505900000)	N/A	
Contact Neogard for available colors.		

Physical constants:

	70817/70818	70817-01/70818	
Tensile strength	7,500 psi	5,800 psi	ASTM D2370
Elongation	12%	40%	ASTM D2370
Shore D	70	65	ASTM D2240
Water resistance	<1%, 7 days	<1%, 7 days	ASTM D471
Taber abrasion	23 mg/1,000 cycles CS-17	17 mg/1,000 cycles CS-17	ASTM D4060
Anti-microbial	Pass	Pass	JIS Z 2801-2010

	Both versions	
Weight/gallon (mixed)	9.73 lbs/gal	ASTM D1475
Weight solids (mixed)	92%	ASTM D5201
Volume solids (mixed)	90%	ASTM D5201
VOC (mixed)	< 100 g/L	ASTM D5201
Flash point	70817: 167°F/75°C 70718: 316°F/157°C	ASTM D3278
Working time at 75°F/23°C, 50% relative humidity	20–25 minutes	
Cure time at 77°F/24°C, 50% relative humidity	10–12 hours	
Recoat at 75°F/23°C, 50% relative humidity	Within 24 hours	
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:

Version, mixed product	57070
Mixing ratio:	Base 59079 : Curing Agent 95059 1 : 1 by volume
Mixing instructions:	Pre-mix base for 3 minutes. Add base to curing agent and mix for 3 more minutes. Jiffy Mixer recommended.
Application method:	Roller or squeegee
Application Rate:	140–200 ft ² /gallon
Indicated film thickness, dry:	12–8 mils
Thinner (max.vol.):	7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene) (10%)
Pot life:	60–80 minutes at 75°F/23°C
Cleaning of tools:	7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene)

Product Data Sheet

70817/70818 — High-Solids Chemical Resistant Urethane
57070: Base 57079 : Curing Agent 95059



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:	Precondition material for 24 hours at 65°–75°F/18°C–23°C. Ambient temperature must 40°F–80°F/4°C–26°C. Substrate temperature must be 40°F–110°F/4°C–40°C and 5°F/3°C above the dew point. Relative humidity must be 30%–85%; may turn milky if applied in excess of 12 mils per coat or in areas of high humidity (>85%). Surface must be dry, clean, and without frost.
Preceding coat:	According to Neogard Guide Specifications.
Subsequent coat:	Must be recoated within 24 hours at 70°F/21°C for subsequent coat to properly bond. If the 24-hour recoat window is missed, sand to dull finish before applying subsequent coat(s).
Accelerators and additives:	7986 (994JB00000): Odor mask, synthetic vanilla.
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
Remarks:	Open to foot traffic in 16 hours at 75°F/23°C, 50% relative humidity. Apply additional coats within 24 hours of initial application. If applying additional coats beyond 24 hours, lightly abrade surface with 80–100 grit sand paper and thoroughly clean surface before applying next coat. Do not apply directly to concrete.

Note: **70817/70818 is for professional use only.**

Issued by: Hempel (USA) – 57070

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Product Data Sheet

70869/70819 — Polyaspartic, Clear
57031: Base 57039 : Curing Agent 95055



Description:	70869/70819 (Hempel 57031) is a high solids, clear polyaspartic coating.
Recommended use:	As a topcoat for Neogard decorative flooring and waterproofing systems.
Features:	Return to service in 11 hours. Resists UV. Resists microbial growth. Meets U.S.D.A. requirements for incidental food contact. 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:

70869 (5703900050)	Clear	2-gallon kit (mixed)
70819 (950550000)	NA	
<i>Some standard colors and/or packaging may have extended lead times and/or minimum quantities. Contact Neogard for additional colors.</i>		

Physical constants:

Tensile strength	3,362 psi	ASTM D2370
Elongation	63%	ASTM D412
Taber abrasion	55 mg, 1,000 CS-17	ASTM D4060
Shore D	70	ASTM D2240
Anti-microbial	Pass	JIS Z 2801-2010
Weight/gallon (mixed)	8.84 lb/gal	ASTM D1475
Weight solids (mixed)	93%	ASTM D5201
Volume solids	88%	Calculated
VOC (mixed)	89.05 g/L	ASTM D5201
Flash point	172°F/78°C	ASTM D3278
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:

Version, mixed product	57031
Mixing instructions:	Base 57039 : Curing Agent 95055 Pre-mix base for 3 minutes. Add entire contents of curing agent container to base container and immediately mix for 3 additional minutes. Mix using a slow-speed drill with a Jiffy Mixer paddle. Take precautions not to introduce air into the material while mixing. Do not thin or split kits.
Application method:	Roller or squeegee
Pot life:	20–25 minutes at 75°F/23°C
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:	Precondition material for 24 hours at 65°F–75°F/18°C–23°C. Ambient temperature must be 50°F–85°F/10°C–29°C, and a minimum of 5°F–3°C above dew point. Relative humidity must be 30%–80%. Substrate must be clean and dry.
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Preceding coat:	According to Neogard Guide Specifications.
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Product Data Sheet

70869/70819 — Polyaspartic, Clear
57031: Base 57039 : Curing Agent 95055



Subsequent coat:	Must be recoated within 24 hours at 70°F/21°C for subsequent coat to properly bond. If the 24-hour recoat window is missed, sand to dull finish before applying subsequent coat(s).
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
Remarks:	Apply additional coats within 24 hours of initial application. If applying additional coats beyond 24 hours, lightly abrade surface with 80–100 grit sand paper and thoroughly clean surface before applying next coat.

Note: **70869/70819 is for professional use only.**

Issued by: Hempel (USA) – 57031

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Product Data Sheet

NeoQuartz (66GJB)

Crystalline Quartz Granules, Broadcast Medium, UV-Stable



Description:	NeoQuartz granules are a colored, crystalline quartz, UV-stable flooring and deck coating aggregate.
Recommended use:	As an aggregate for decorative and industrial flooring systems, and decorative deck coating systems.
Availability:	Available in North America. Not included in Group Assortment. Availability subject to confirmation.

Colors and packaging:

66GJB99980	Contact Neogard	50-pound bag (all colors)
	<i>Requires a minimum order of 8 bags. Some standard colors and/or packaging may have extended lead times and/or minimum quantities.</i>	

Physical constants:

Hardness (Moh's Scale)	6.5–7	
Bulk density	90–100 pounds/cubic foot	ASTM C29/C29-97 (2003)
Specific gravity	2.65	ASTM C128-01e1

Composition

Material	Weight %
Silica sand	97.5
Resin	2.65
Various colorants	0.5

Chemical analysis

SiO ₂	99.808%
Fe ₂	0.016%
Al ₂ O ₃	0.042%
CaO & MgO	0.200%
Loss on ignition	0.100

Sieve analysis

	Retained %
20	9.0
30	12.4
40	54.0
50	22.0
70	1.9
100	0.7

Application details:

Application method:	Broadcast; rate according to Neogard system Guide Specifications.
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.
Storage temperature:	Store in a dry area.

Product Data Sheet

NeoQuartz (66GJB)

Crystalline Quartz Granules, Broadcast Medium, UV-Stable



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

Issued by: Hempel (USA) – 66GJB

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Product Data Sheet

FC7510/FC7961 — Fast-Cure Aromatic Urethane 47PJB: Base 47PJ9 : Curing Agent 948JB



Description:	FC7510/FC7961 (Hempel 47PJB) is a two-component, fast-cure aromatic polyurethane.
Recommended use:	As a waterproofing membrane for pedestrian and vehicular traffic bearing surfaces, where fast turnaround time and/or solvent free materials are required. Suitable areas include parking garages, stadiums, balconies, plaza decks, walkways, rooftop recreation areas, and mechanical rooms.
Features:	Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Certificates/approvals:	LEED: MRc5, IEQc4.2, BDc4, IDc4 UL: TGFU.R6034 Miami-Dade: NOA No.: 14-0902.10
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

FC7510 (47PJ916650)	Gray	3-gallon
FC7510-03 (47PJ923820)	Tan	3-gallon
FC7510-11 (47PJ916660)	Light Gray	3-gallon
FC7510-41 (47PJ916680)	Charcoal Gray	3-gallon
FC7961 (948JB00000)	NA	1-gallon

Some standard colors and/or packaging may have extended lead times and/or minimum quantities. Contact Neogard for additional colors.

Physical constants:

Tensile strength	2,200 psi	ASTM D412
Elongation	80%	ASTM D412
Permanent set	<10%	ASTM D412
Tear resistance	165 pli	ASTM D1004
Water resistance	<1% at 7 days	ASTM D471
MVT at 20 mils	0.4 English Perm	ASTM E96
Taber abrasion	55 mg/1,000 CS-17	ASTM D4060
Shore A	84–90	ASTM D2240
Adhesion to: 70714/70715 7760/7761 7780/7781 FC7500/FC7960	400 psi	ASTM D4541
Weight/gal (mixed)	11.5 lbs/gal	ASTM D1475
Weight solids (mixed)	99% at 12 hours	ASTM C1250
Volume solids (mixed)	98%	Calculated
VOC (mixed)	<22 g/L	EPA Method 24
Viscosity (mixed)	900cps	ASTM D2196
Flash point	205°F/96°C	ASTM D3278
Fire resistance (spread of flame)	Class A as part of a system	ASTM E108/UL 790
Cure to recoat at 75°F/23°C, 50% relative humidity	5–6 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.

Product Data Sheet

FC7510/FC7961 — Fast-Cure Aromatic Urethane
47PJB: Base 47PJ9 : Curing Agent 948JB



Application details:

Version, mixed product	47PJB
Mixing ratio:	Base 47PJ9 : Curing Agent 948JB 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.):	7055 Odorless Reducer (086JB1L001) (10%)
Pot life:	35–55 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.
Application conditions:	Substrate temperature must be between 40°F/4°C and 110°F/32°C.
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:	For interior or covered areas only. Not intended for UV exposure; product may yellow or discolor when exposed to UV light. Maximum time for UV exposure: 5 days. Not recommended for constant immersion. Do not apply over asphaltic compounds. For on-grade applications, substrates constructed over unvented metal decks or between-slab applications, contact Neogard Technical Service.

Note: **FC7510/FC7961 is for professional use only.**

Issued by: Hempel (USA) – 47PJB

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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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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)

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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

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

FC7540/FC7964 — Fast-Cure Aliphatic Urethane Topcoat 47QJB: Base 47QJ9 : Curing Agent 949JB



Description:	FC7540/FC7964 (Hempel 47QJB) is a two-component, aliphatic, high solids, fast-cure polyurethane topcoat.
Recommended use:	As a waterproofing membrane for pedestrian and vehicular traffic bearing surfaces, where fast turnaround time and/or solvent free-materials are required. Suitable areas include parking garages, stadiums, balconies, plaza decks, walkways, rooftop recreation areas, and mechanical rooms.
Features:	Available in a tint base; custom colors can be produced in small amounts. Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Certificates/approvals:	LEED: MRc5, IEQc4.2, SSc7.1, BDc4, IDc4 Miami-Dade: NOA No.: 14-0902.10, NOA No. 15-0616.03
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

FC7540 (47QJ916650)	Gray	4- and 2-gallon
FC7540-03 (47QJ923820)	Tan	2-gallon
FC7540-11 (47QJ916660)	Light Gray	4- and 2-gallon
FC7540-041 (47QJ916680)	Charcoal	4- and 2-gallon
FC7540-058 (47QJ961300)	Dark Maple	2-gallon
FC7540-00 (47QJ900050)	(Tint Base, special order only)	
FC7964 (949JB00000)	Clear	2- and 1-gallon
<i>Some standard colors and/or packaging may have extended lead times and/or minimum quantities. Contact Neogard for additional colors.</i>		

Physical constants:

Tensile strength	2,000 psi	ASTM D412
Elongation	130%	ASTM D412
Permanent set	<10%	ASTM D412
Tear resistance	155 pli	ASTM D1004
Water resistance	<2% at 7 days	ASTM D471
MVT at 20 mils	1.0 English Perm	ASTM E96
Taber abrasion	95 mg/1,000 CS-17	ASTM D4060
Shore A	80–90	ASTM D2240
Adhesion to: 70714/70715 7780/7781 FC7510/FC7961 FC7500/FC7960 FC7540/FC7964 70410 7430	400 psi	ASTM D4541
Weight/gallon (mixed)	11.1 lbs/gal	ASTM D1475
Weight solids (mixed)	91% at 12 hours	ASTM C1250
Volume solids (mixed)	89%	Calculated
VOC (mixed)	<99.5 g/L	EPA Method 24
Viscosity (mixed)	1,200 cps	ASTM D2196
Flash point, FC7540	275°F/135°C	ASTM D3278
Flash point, FC7964	135°F/57°C	ASTM D3278
Cure to recoat at 75°F/23°C, 50% relative humidity	3–4 hours	
<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>		

Product Data Sheet

FC7540/FC7964 — Fast-Cure Aliphatic Urethane Topcoat
47QJB: Base 47QJ9 : Curing Agent 949JB



Application details:

Version, mixed product	47QJB
Mixing ratio:	Base 47QJ9 : Curing Agent 949JB 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 squeegee
Thinner (max.vol.):	7055 Odorless Reducer (086JB1L001) (10%)
Pot life:	120 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.
Application conditions:	Substrate temperature must be between 40°F/4°C and 110°F/43°C.
Preceding 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:	Not recommended for constant immersion. Do not apply over asphaltic compounds. For on-grade applications, substrates constructed over unvented metal decks or between-slab applications, contact Neogard Technical Service.

Note: **FC7540/FC7964 is for professional use only.**

Issued by: Hempel (USA) – 47QJB

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FC7540-FC7964-PDS ksk 07092021.docx

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Product Data Sheet

70714/70715-01 — 2K Fast-Cure Epoxy 45061: Base 45069 : Curing Agent 95074



Description:	70714/70715-01 (Hempel 45061) is a two-component, 100% solids epoxy resin.
Recommended use:	Applications include: High-gloss, high-build protective coating; binder for self-smoothing pigmented and color quartz flooring; low-viscosity binder for trowel-applied mortar flooring systems; high-quality primer for chemical resistant urethane top coats, and/or Neogard waterproofing and flooring systems; low-viscosity binder for trowel applied mortar and/or patching material; low viscosity binder for crack injection.
Features:	Formulated for use on damp or dry concrete. Near water-clear. Exhibits no amine blush when used in humid environments. Very low viscosity for deep penetration into concrete. Uniform wetting of filler aggregates. Excellent chemical and water resistance. Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Certificates/approvals:	LEED: MRc5, IEQc4.2
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

70714 (4506900000)	Clear	15- and 3-gallon kits
70714-01 (4506916640)	White	15- and 3-gallon kits
70714-02 (4506916650)	Gray	15- and 3-gallon kits
70714-03 (4506923820)	Tan	15- and 3-gallon kits
70714-04 (4506916670)	Dark Gray	15- and 3-gallon kits
70714-05 (4506957930)	Tile Red	15- and 3-gallon kits
70714-11 (4506916660)	Light Gray	15- and 3-gallon kits
70714-16 (4506919990)	Black	15- and 3-gallon kits
70714-06 (4506949890)	Green	3-gallon kits
70715-01 (9507400000)	NA	Curing agent, included in kits

Some standard colors and/or packaging may have extended lead times and/or minimum quantities. Contact Neogard for additional colors.

Physical constants:

Tensile strength	3,700 psi	ASTM D638
Elongation	25%	ASTM D638
Compressive strength	25,300 psi	ASTM D695
Flexural strength	3,069 psi	ASTM D790
Flexural modulus	54,000 psi	ASTM D790
Water resistance	0.21%	ASTM D570
MVT at 10 mils	0.16	ASTM E96
Flammability	Passes	ASTM D635
Taber abrasion	78 mg/1,000 CS-17	ASTM D4060
Shore D	77	ASTM D2240
Adhesion	350 psi	ASTM D4541
Flammability	Pass	ASTM D635
Weight/gal (mixed)	8.79 lbs/gal	ASTM D1475
Weight solids (mixed)	100%	ASTM D4209
Volume solids (mixed)	100%	Calculated
Viscosity (mixed)	400 cps	ASTM D2196
VOC (mixed)	<5 g/L	EPA Method 24
Flash point	>200°F/93°C	ASTM D3278
Shelf life	1 year	
Thin film cure at 75°F/23°C	2–3 hours	
Full cure at 75°F/23°C	7 days	
Full chemical resistance	7 days	

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.

Product Data Sheet

70714/70715-01 — 2K Fast-Cure Epoxy
45061: Base 45069 : Curing Agent 95074



Application details:

Version, mixed product	45061
Mixing ratio:	Base 45069 : Curing Agent 95074 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 squeegee
Thinner (max.vol.):	7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene) (10%)
Pot life:	15 minutes at 70°F/21°C
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.
Surface preparation:	According to Neogard Guide Specifications.
Application conditions:	Ambient temperature must be between 50°F/10°C and 85°F/29°C, and a minimum of 5°F/3°C above dew point.
Preceding coat:	According to Neogard Guide Specifications.
Subsequent coat:	Must be recoated within 24 hours at 70°F/21°C for subsequent coat to properly bond. If the 24-hour recoat window is missed, sand to dull finish before applying subsequent coat(s).
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 70°F/21°C.

Note: **70714/70715-01 is for professional use only.**

Issued by: Hempel (USA) – 45061

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. 70714-70715-01-PDS ksk 10272021.docx

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