

TrafficTuff

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Product Data Sheet

70718/70719 — Flexible Epoxy

25000: Base 25009 : Curing Agent 95048



Description:	70718/70719 (Hempel 25000) is a two-component high solids, flexible, semi-rigid, stress-relieving epoxy hybrid joint filler.
Recommended use:	Applications include: Semi-rigid high strength joint compound; binder for patching spalled concrete to prevent further deterioration of the concrete; topping for high impact resistance..
Features:	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:

70718-02 (2500916650)	Gray	3-gallon kit
70719 (9504800000)	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	2,100 psi	ASTM D412
Elongation at break	90%	ASTM D412
Permanent set	<20%	ASTM D412
Tear resistance	100 pli	ASTM D1004
Water resistance	2% at 7 days	ASTM D471
MVT at 20 mils	0.2 English	ASTM E96
Shore A	95	ASTM D2240
Shore D	47	ASTM D2240
Adhesion	650 psi	ASTM D4541
Flammability	Pass	ASTM D635
Taber abrasion	15 mg/1,000 cycles CS-17	ASTM D4060
Weight/gallon (mixed)	9.05 lbs/gal	ASTM D1475
Weight solids (mixed)	99% at 12 hours	ASTM C1250
Volume solids (mixed)	99%	Calculated
Viscosity (mixed)	11,500 cps	ASTM D2196
Flash point	>250°F/122°C	ASTM D3278
VOC (mixed)	2.3 g/L	EPA Method 24
Shelf life	1 year	
Set time	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	25000
Mixing ratio:	Base 25009 : Curing Agent 95048 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
Thinner (max.vol.):	7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene) (10%)
Pot life:	70 minutes at 75°F/23°C
Cleaning of tools:	7055 Odorless Reducer (086JB) or Hempel's Thinner 08080 (xylene)

Product Data Sheet

70718/70719 — Flexible Epoxy

25000: Base 25009 : Curing Agent 95048



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: 70718/70719 is for professional use only.

Issued by: Hempel (USA) – 25000

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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)

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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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Product Data Sheet

70714/70715 (45060) – 2K Epoxy

Base 70714 (45069) : Curing Agent 70715 (95073)



Description:	70714/70715 (Hempel 45060) 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 U.S.D.A. requirements for incidental food contact. Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Certificates/approvals:	LEED: MRc5, IEQc4.2, BDc4, IDc4 MPI: MPI #212
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

70714 (4506900000)	Clear and Tintable	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 (9507300000)	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	3,180 psi	ASTM D790
Flexural modulus	57,700 psi	ASTM D790
Water resistance	0.21%	ASTM D570
MVT at 10 mils	0.16	ASTM E96
Taber abrasion	25 mg/1,000 CS-17	ASTM D4060
Shore d	78	ASTM D2240
Adhesion	350 psi	ASTM D4541
Flammability	Pass	ASTM D635
Weight/gallon (mixed)	8.8 lbs/gal	ASTM D1475
Weight solids (mixed)	100%	ASTM D4209
Volume solids (mixed)	100%	Calculated
VOC (mixed)	<10 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	8–9 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 (45060) – 2K Epoxy

Base 70714 (45069) : Curing Agent 70715 (95073)



Application details:

Version, mixed product	70714/70715 (45060)
Mixing ratio:	Base 70714 (45069) : Curing Agent 70715 (95073) 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:	30 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 40°F/4°C and 100°F/37°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 is for professional use only.**

Issued by: Hempel (USA) – 45060

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Product Data Sheet

70714/70715-09 — 2K General Purpose Epoxy
45062: Base 45069 : Curing Agent 95075



Description:	70714/70715-09 (Hempel 45062) is a two-component, general purpose, 100% solids epoxy resin.
Recommended use:	Applications over concrete include: High strength overlayment; high-strength dustproofers; 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:	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
70715-09 (9507500000)	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	2,000 psi	ASTM D638
Elongation	40%	ASTM D638
Compressive strength	15,000 psi	ASTM D695
Flexural strength	1,900 psi	ASTM D790
Flexural modulus	62,000 psi	ASTM D790
Water resistance	0.17%	ASTM D570
MVT at 10 mils	0.18 Perm	ASTM E96
Shore D	77	ASTM D2240
Adhesion	400 psi	ASTM D4541
Impact flexibility	Pass at 120 in/lb	ASTM D6905-03
Flammability	Pass	ASTM D635
Taber abrasion	61 mg/1,000 CS-17	ASTM D4060
Weight/gal (mixed)	8.81 lbs/gal	ASTM D1475
Weight solids (mixed)	100%	ASTM D4209
Volume solids (mixed)	100%	Calculated
Viscosity (mixed)	1,250 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	8–9 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

70714/70715-09 — 2K General Purpose Epoxy
45062: Base 45069 : Curing Agent 95075



Application details:

Version, mixed product	45062
Mixing ratio:	Base 45069 : Curing Agent 95079 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:	25 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: **70714/70715-09 is for professional use only.**

Issued by: Hempel (USA) – 45062

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Product Data Sheet

7992 (66010)

Silica Quartz Sand Aggregate



Description:	7992 silica (quartz) sand (Hempel 66010) is uniformly graded (16-30 mesh) hard aggregate.
Recommended use:	7992 aggregate is used for skid resistance in Neogard fluid-applied coating systems.
Features:	Hardness of 6.5 or greater on Moh's Hardness Scale.
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7992 (6601009990)	White/Tan	100-lb bags
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Physical constants:

Generic Type	Silica (Quartz) Sand
pH	Neutral (6.9/7.0)
Sphericity	0.62
Roundness	0.68
Melting Point	2,800°F–3,100°F (1,538°C–1,705°C)
Specific Gravity	2.65
<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>	

Sieve #	Percent retained
12	0.0
16	1.5
20	61.8
25	29.8
30	6.0
40	1.8
Pan	0.1

Application details:

Application method:	Broadcast, rate according to Neogard system Guide Specifications.
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 dry area.

Product Data Sheet

7992 (66010)

Silica Quartz Sand Aggregate



Note: **7992 is for professional use only.**

Issued by: Hempel (USA) – 66010

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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

7992-U (66EJB)

Silica Quartz Sand Aggregate, 12-20 Mesh



Description:	7992-U silica quartz sand (Hempel 66EJB) is a uniformly graded hard aggregate (12-20 mesh).
Recommended use:	7992-U aggregate is used for skid resistance in Neogard fluid-applied coating systems.
Features:	Hardness of 7 or greater on Moh's Hardness Scale.
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7992-U (66EJB99980)	White/Tan	50-lb bags
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Physical constants:

Grain Shape	Round
Moisture Content	<0.1%
Specific Gravity	2.65 g/cm ³
Bulk Density, Loose	92–95 lbs/ft ³
Bulk Density, Compacted	98–100 lb/ft ³
Packaging	50 lb bags
<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>	

Sieve #	Percent retained
12	0.7
16	69.6
20	28.6
30	1.0
Pan	0.1

Application details:

Application method:	Broadcast, rate according to Neogard system Guide Specifications.
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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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Storage:	Store in a dry area.
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Product Data Sheet

7992-U (66EJB)

Silica Quartz Sand Aggregate, 12-20 Mesh



Note: **7992-U is for professional use only.**

Issued by: Hempel (USA) – 66EJB

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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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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

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