

PedaGard SC

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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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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

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

86364 (66030)

Silica Quartz Sand Flooring Aggregate



Description:	86364 (Hempel 66030) is a silica quartz sand aggregate.
Recommended use:	86364 is used in various Neogard fluid-applied flooring systems.
Features:	Consistent, uniform grain shapes and particle size distribution. Excellent placement and compaction, which lead to excellent mechanical properties. Resists abrasion in high traffic and wear areas. Provides stability for the flooring system.
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

86364 (6603009990)	Neutral	50-lb bag
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Physical constants:

Grain shape	Round
Grain size	20-40 mesh
Hardness	≥7.0 Moh's
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

Sieve Analysis	Percent Retained
20	3.6
30	69.9
40	27.2
50	3.0
Pan	0.2

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:	According to Neogard 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

86364 (66030)

Silica Quartz Sand Flooring Aggregate



Note: **86364 is for professional use only.**

Issued by: Hempel (USA) – 66030

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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-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

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:	<p>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.</p> <p>Also bonds to gypsum board, wood, polyethylene, propylene, polystyrene, fiberglass, brick, concrete, masonry, OSB, and others.</p> <p>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.</p> <p>Extremely flexible, with no memory; conforms to almost any shape without return.</p> <p>Self-sealing; can be cut and folded around objects.</p> <p>Silicone release liner protects the tape roll from contamination.</p>		
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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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

7760/7761 — Epoxy Primer

25100: Base 25109 : Curing Agent 95054



Description:	7760/7761 (Hempel 25100) is a two-component epoxy polyamide primer.
Recommended use:	7760/7761 is applied on wood, concrete, and metal surfaces prior to application of surface-applied waterproofing systems.
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7760 (2510957930)	Red	5- and 1-gallon
7761 (9505400000)	Neutral	

Physical constants:

Weight/Gal (mixed)	8.5 lbs/gal	ASTM D1475
Weight Solids (mixed)	66%	ASTM D4209
Volume Solids (mixed)	59%	Calculated
Viscosity (mixed)	60 KU	ASTM D562
VOC (mixed)	336 g/L	EPA Method 24
Flash Point - 7760	58°F/15°C	ASTM D3278
Flash Point - 7761	45°F/8°C	ASTM D3278
Adhesion (mixed)	300 psi	ASTM D4541

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	25100
Mixing ratio:	Base 25109 : Curing Agent 95054 1 : 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.):	Hempel's Thinner 08080 (xylene) (10%)
Pot life:	3–4 hours at 75°F/23°C
Recoat time:	90 minutes at 75°F/23°C, 50% relative humidity
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.
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Surface preparation:	According to Neogard Guide Specifications.
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Application conditions:	According to Neogard Guide Specifications.
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Subsequent coat:	According to Neogard Guide Specifications.
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Product Data Sheet

7760/7761 — Epoxy Primer

25100: Base 25109 : Curing Agent 95054



Note: **7760/7761 is for professional use only.**

Issued by: Hempel (USA) – 25100

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Product Data Sheet

7430 (57040)

Aromatic Urethane



Description:	7430 series (Hempel 57040) is a single-component, moisture-cured aromatic urethane.
Recommended use:	As a waterproofing membrane for pedestrian and vehicular traffic-bearing surfaces. Suitable areas include parking garages, stadiums, balconies, plaza decks, walkways, and rooftop recreation areas.
Certificates/approvals:	LEED: MRc5 UL: TGFU.R6034 Miami-Dade: NOA No.: 15-0421.01, NOA No. 15-0616.03
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7427 (5704016680)	Charcoal Gray	55- and 5-gallon
7430 (5704016650)	Gray	55- and 5-gallon
7430-28 (5704016640)	White	5-gallon
7430-58 (5704061300)	Dark Maple	5-gallon
7435 (5704023820)	Tan	5-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	2,500 psi	ASTM D412
Elongation	400%	ASTM D412
Permanent set	<30%	ASTM D412
Tear resistance	200 pli	ASTM D1004
Water resistance	<3%	ASTM D471
MVT at 30 mils	1.3 English Perm	ASTM E96
Taber abrasion	25 mg/1,000 CS-17	ASTM D4060
Shore A	75–80	ASTM D2240
Adhesion	300 psi	ASTM D4541
Weight/gallon	10.3 lbs/gal	ASTM D1475
Weight solids	92%	ASTM D4209
Volume solids	76%	Calculated
VOC	212 g/L	EPA Method 24
Viscosity	87 KU	ASTM D562
Flash point	113°F/45°C	ASTM D3278
Shelf life	1 year	
SRI value	7430-28: 93 7430-11: 43	ASTM E1980-01 ASTM E108/UL 790
Fire resistance (spread of flame)	Class A (as part of a system)	
Cure to recoat at 75°F (23°C), 50% relative humidity	8–12 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:

Application method:	Roller or squeegee
Thinner (max.vol.):	Hempel's Thinner 08080 (xylene) (10%)
Mixing:	Mix for 3–5 minutes before applying; Jiffy Mixer paddle recommended
Pot life:	NA for single-component, unaccelerated urethane
Cleaning of tools:	Hempel's Thinner 08080 (xylene)

Product Data Sheet

7430 (57040)

Aromatic Urethane



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.
Accelerators and additives:	7986 (994JB00000): Odor mask, synthetic vanilla. 7922 (990JB00000): Vertical additive, enhances sag resistance. 7923 (9505300000): Accelerator for single component urethanes. 7925 (991JB00000): Fast-set additive. 7931 (9905500000): Fast accelerator for use in low humidity environments.
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
Remarks:	Product may yellow or discolor when exposed to UV light. 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: 7430 is for professional use only.

Issued by: Hempel (USA) – 57040

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Product Data Sheet

70805/7952 — Aliphatic Urethane

57020: Base 57029 : Curing Agent 95051



Description:	70805/7952 (Hempel 57020) is a high-solids, chemical-resistant, two-component aliphatic polyurethane.
Recommended use:	As a topcoat over flooring and wall coating systems, and as the primary wear surface when applied to properly primed concrete.
Features:	May be used for interior and exterior applications.
Certificates/approvals:	LEED: MRc5 (70805 only) MPI: MPI #212 (70805 only)
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

70805 (5702900050)	Clear (Tintable)	
70805-01 (5702910000)	White (Tintable)	3-gallon kits
7952 (9505100000)	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	4,000 psi	ASTM D412
Elongation	10%	ASTM D412
Permanent set	<10%	ASTM D412
Water resistance	<1%	ASTM D471
MVT at 5 mils	1.4	ASTM E96
Adhesion	300 psi	ASTM D4541
Flammability	Pass	ASTM D635
Taber abrasion	40 mg/1,000 cycles CS-17	ASTM D4060
Weight/gallon (mixed)	8.63 lbs/gal	ASTM D1475
Weight solids (mixed)	62%	ASTM D4209
Volume solids (mixed)	58%	Calculated
VOC (mixed)	335 g/L	EPA Method 24
Viscosity (mixed)	400 cps	ASTM D2196
Flash point	102°F/39°C	ASTM D3278
Shelf life	2 years (70805), 3 years (7952)	

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	57020
Mixing ratio:	Base 57029 : Curing Agent 7952 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:	2 hours 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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Product Data Sheet

70805/7952 — Aliphatic Urethane

57020: Base 57029 : Curing Agent 95051



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: 70805/7952 is for professional use only.

Issued by: Hempel (USA) – 57020

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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

7740/7741 — Epoxy Primer

252JB: Base 252J9 : Curing Agent 95WJB



Description:	7740/7741 (Hempel 252JB) primer is a two-component, 100% solids epoxy primer.
Recommended use:	7740/7741 primer is applied to wood and concrete surfaces prior to applying surface applied waterproofing systems, in particular Pool-Gard C.
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

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

Physical constants:

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

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

Application details:

Version, mixed product	252JB
Mixing ratio:	Base 252J9 : Curing Agent 95WJB 2 : 1 by volume
Mixing instructions:	Pre-mix base for 3–5 minutes before adding curing agent. Mix for a minimum of 5 minutes before applying. Jiffy Mixer paddle recommended.
Application method:	Roller or spray (contact Neogard for spray equipment information)
Thinner:	Do not thin
Pot life:	60–90 minutes at 75°F/23°C
Cleaning of tools:	Hempel's Thinner 08080 (xylene)
Safety:	Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Neogard Safety Data Sheets and follow all local or national safety regulations.
Surface preparation:	According to Neogard Guide Specifications.
Application conditions:	According to Neogard Guide Specifications.
Subsequent coat:	According to Neogard Guide Specifications.
Storage temperature:	50°F–85°F/10°C–30°C
Remarks:	Do not thin 7740/7741.

Product Data Sheet

7740/7741 — Epoxy Primer

252JB: Base 252J9 : Curing Agent 95WJB



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

Issued by: Hempel (USA) – 252JB

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Product Data Sheet

7430-CA (57041)

Aromatic Urethane, SCAQMD-Compliant



Description:	7430-CA (Hempel 57041) is a single-component, moisture-cured aromatic urethane.
Recommended use:	As a waterproofing membrane for pedestrian and vehicular traffic-bearing surfaces, including: Parking garages, stadiums, balconies, plaza decks, pedestrian walkways, and rooftop recreational areas.
Features:	Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
Certificates/approvals:	LEED: MRc5, IEQc4.2 (7430-CA) UL: TGFU.R6034 City of Los Angeles: RR# 25702
Availability:	Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

7427-CA (5704116680)	Charcoal Gray	55- and 5-gallon
7430-CA (5704116650)	Gray	55- and 5-gallon
7435-CA (5704123820)	Tan	55- and 5-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	2,500 psi	ASTM D412
Elongation	400%	ASTM D412
Permanent set	<30%	ASTM D412
Tear resistance	200 pli	ASTM D1004
Water resistance	<3%	ASTM D471
MVT at 30 mils	1.3 English perms	ASTM E96
Taber abrasion	25 mg/1,000 CS-17	ASTM D4060
Shore A	75–80	ASTM D2240
Adhesion	300 psi	ASTM D4541
Weight/gal	10.7 lbs/gal	ASTM D1475
Weight solids	80%	ASTM D4209
Volume solids	76%	Calculated
VOC	97 g/L	EPA Method 24
Viscosity	87 KU	ASTM D562
Flash point	101°F/38°C	ASTM D3278
Fire resistance (spread of flame)	Class A (as part of a system)	ASTM E108/UL 790
Shelf life	1 year	
Cure to recoat at 75°F/23°C, 50% RH, with 7923 accelerator	18 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:

Application method:	Roller or squeegee
Thinner (max.vol.):	Acetone (10%)
Mixing:	Mix for 3–5 minutes before applying; Jiffy Mixer paddle recommended
Pot life:	NA for single-component, unaccelerated urethane
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

7430-CA (57041)

Aromatic Urethane, SCAQMD-Compliant



Application conditions:	Substrate temperature must be between 40°F/4°C and 110°F/32°C.
Preceding coat:	According to Neogard Guide Specifications.
Accelerators and additives:	7986 (994JB00000): Odor mask, synthetic vanilla. 7922 (990JB00000): Vertical additive, enhances sag resistance. 7923 (9505300000): Accelerator for single component urethanes.
Storage temperature:	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
Remarks:	Product may yellow or discolor when exposed to UV light. 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: 7430-CA is for professional use only.

Issued by: Hempel (USA) – 57041

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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)

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.

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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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