

# AutoGard F

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# Product Data Sheet

## 70991 (47XJB) Polyurethane Sealant



<b>Description:</b>	70991 (Hempel 47XJB) is a one-component, contractor/construction grade, smooth polyurethane sealant.
<b>Recommended use:</b>	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.
<b>Features:</b>	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.
<b>Service temperatures:</b>	-40°F–150°F (-40°C–66°C)
<b>Certificates/approvals:</b>	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.
<b>Availability:</b>	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](http://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.

<b>Safety:</b>	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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<b>Surface preparation:</b>	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 )

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](http://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](http://www.hempel.com). NEOGARD MAKES NO OTHER WARRANTY THAT EXTENDS BEYOND THE WARRANTY REFERENCED THEREIN INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEOGARD WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION, OR THAT IN ANY WAY ARISE IN RELATION TO THE PRODUCT. 70991-PDS ksk 04122021.docx

# Product Data Sheet

70714/70715 (45060) – 2K Epoxy

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



<b>Description:</b>	70714/70715 (Hempel 45060) is a two-component, 100% solids epoxy resin.
<b>Recommended use:</b>	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.
<b>Features:</b>	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.
<b>Certificates/approvals:</b>	LEED: MRc5, IEQc4.2, BDc4, IDc4 MPI: MPI #212
<b>Availability:</b>	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](http://www.neogard.com).*

# Product Data Sheet

70714/70715 (45060) – 2K Epoxy

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



## Application details:

<b>Version, mixed product</b>	<b>70714/70715 (45060)</b>
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)
<b>Safety:</b>	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.
<b>Surface preparation:</b>	According to Neogard Guide Specifications.
<b>Application conditions:</b>	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.
<b>Preceding coat:</b>	According to Neogard Guide Specifications.
<b>Subsequent coat:</b>	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).
<b>Storage temperature:</b>	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



<b>Description:</b>	70714/70715-09 (Hempel 45062) is a two-component, general purpose, 100% solids epoxy resin.
<b>Recommended use:</b>	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.
<b>Features:</b>	Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
<b>Certificates/approvals:</b>	LEED: MRc5, IEQc4.2
<b>Availability:</b>	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](http://www.neogard.com).*

# Product Data Sheet

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



## Application details:

<b>Version, mixed product</b>	<b>45062</b>
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)
<b>Safety:</b>	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.
<b>Surface preparation:</b>	According to Neogard Guide Specifications.
<b>Application conditions:</b>	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.
<b>Preceding coat:</b>	According to Neogard Guide Specifications.
<b>Subsequent coat:</b>	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).
<b>Storage temperature:</b>	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



<b>Description:</b>	7992-U silica quartz sand (Hempel 66EJB) is a uniformly graded hard aggregate (12-20 mesh).
<b>Recommended use:</b>	7992-U aggregate is used for skid resistance in Neogard fluid-applied coating systems.
<b>Features:</b>	Hardness of 7 or greater on Moh's Hardness Scale.
<b>Availability:</b>	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 <sup>3</sup>
Bulk Density, Loose	92–95 lbs/ft <sup>3</sup>
Bulk Density, Compacted	98–100 lb/ft <sup>3</sup>
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 <a href="http://www.neogard.com">www.neogard.com</a>.</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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<b>Safety:</b>	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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<b>Storage:</b>	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

## 7797/7798 — Urethane Primer

### 254JB: Base 254J9 : Curing Agent 946JB



<b>Description:</b>	7797/7798 (Hempel 254JB) is a two-component, high solids, low odor urethane primer.
<b>Recommended use:</b>	7797/7798 is applied to surfaces to promote adhesion of standard and fast-cure elastomeric coatings. It may also be applied over existing coatings.
<b>Certificates/approvals:</b>	LEED: BDc4, IDc4 Factory Mutual: Class A
<b>Availability:</b>	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](http://www.neogard.com).*

### Application details:

<b>Version, mixed product</b>	<b>254JB</b>
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)

<b>Safety:</b>	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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<b>Surface preparation:</b>	According to Neogard Guide Specifications.
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<b>Application conditions:</b>	Substrate temperature must be ≥40°F/4°C and <110°F/32°C.
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<b>Subsequent coat:</b>	According to Neogard Guide Specifications.
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<b>Storage temperature:</b>	75°F/23°C
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<b>Remarks:</b>	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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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

## FC7500/FC7960 — Fast-Cure Polyurethane Base Coat 45063: Base 45067 : Curing Agent 95077



<b>Description:</b>	FC7500/FC7960 (Hempel 45067/95077) is a two-component, fast-cure polyurethane base coat.
<b>Recommended use:</b>	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.
<b>Features:</b>	Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
<b>Certificates/approvals:</b>	LEED: MRc5, IEQc4.2, BDc4, IDc4 UL: TGFU.R6034 Miami-Dade: NOA No.: 14-0902.10 City of Los Angeles: RR# 25702
<b>Availability:</b>	Available in North America. Not included in Group Assortment; other regions must confirm.

### Colors and packaging:

FC7500 (4506716650)	Gray	5- and 1- gallon
FC7960 (9507700000)	NA	1-pint, 1-gallon

### Physical constants:

Tensile strength	1,500 psi	ASTM D412
Elongation	500%	ASTM D412
Permanent set	<20%	ASTM D412
Tear resistance	150 pli	ASTM D1004
Water resistance	1% at 7 days	ASTM D471
MVT at 20 mils	5 English Perm	ASTM E96
Shore A	74–79	ASTM D2240
Adhesion to: 70714/70715 7760/7761 7780/7781 Inter-Coat	400 psi	ASTM D4541
Weight/gallon (mixed)	9.7 lbs/gal	ASTM D1475
Weight solids (mixed)	99%	ASTM C1250
Volume solids (mixed)	99%	Calculated
VOC (mixed)	<5 g/L	EPA Method 24
Viscosity (mixed)	2,000 cps	ASTM D2196
Flash point	>250°F/>121°C	ASTM D3278
Shelf life	1 year	
Fire resistance (spread of flame)	Class A (as part of a system)	ASTM E108/UL 790

*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](http://www.neogard.com).*

### Application details:

<b>Version, mixed product</b>	<b>45063</b>
Mixing ratio:	Base 45067 : Curing Agent 95077 9 : 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:	20–30 minutes at 75°F/23°C
Cleaning of tools:	Hempel's Thinner 08080 (xylene)

# Product Data Sheet

**FC7500/FC7960 — Fast-Cure Polyurethane Base Coat**  
**45063: Base 45067 : Curing Agent 95077**



<b>Safety:</b>	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.
<b>Application conditions:</b>	Substrate temperature must be between 40°F/4°C and 110°F/32°C.
<b>Preceding coat:</b>	According to Neogard Guide Specifications.
<b>Subsequent coat:</b>	According to Neogard Guide Specifications.
<b>Storage temperature:</b>	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
<b>Remarks:</b>	Not intended for use as a topcoat. 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:** **FC7500/FC7960 is for professional use only.**

**Issued by:** Hempel (USA) – 45063

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FC7500-FC7960-PDS ksk 07092021.docx

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# Product Data Sheet

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



<b>Description:</b>	7780/7781 (Hempel 280JB) primer is a two-component, water-borne epoxy primer.
<b>Recommended use:</b>	7780/7781 is applied to wood and concrete substrates prior to the application of high performance surface-applied coating systems.
<b>Certificates/approvals:</b>	LEED: BDc4, IDc4 Factory Mutual: Class A
<b>Availability:</b>	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](http://www.neogard.com).*

### Application details:

<b>Version, mixed product</b>	<b>280JB</b>
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

<b>Safety:</b>	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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<b>Surface preparation:</b>	According to Neogard Guide Specifications.
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<b>Application conditions:</b>	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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<b>Subsequent coat:</b>	According to Neogard Guide Specifications.
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# Product Data Sheet

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



<b>Storage temperature:</b>	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.
<b>Remarks:</b>	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

86218 (62ZJB)

## Eternabond WebSeal Tape



<b>Description:</b>	86218 EternaBond WebSeal Tape (Hempel 62ZJB) is a sealant tape, primarily used in roofing applications.		
<b>Recommended use:</b>	Sealing joints, seams, copings, gutters, skylights, and other areas which require a complete seal.		
<b>Features:</b>	<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>		
<b>Service temperatures:</b>	-70°F– >200°F/-56°C – >93°C		
<b>Availability:</b>	Available in North America. Not included in Group Assortment; other regions must confirm.		
<b>Colors and packaging:</b>			
86218 (62ZJB99980)	Gray	Case, 4 rolls, 6" x 50' (200 linear ft/case)	
	Contact Neogard for additional widths.		
<b>Physical constants:</b>			
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 <a href="http://www.neogard.com">www.neogard.com</a> .		
<b>Application details:</b>			
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.		
<b>Safety:</b>	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.		
<b>Surface preparation:</b>	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.		
<b>Application conditions:</b>	Temperature: -20°F–150°F/-28°C–65°C ambient.		
<b>Remarks:</b>	For more information on EternaBond WebSeal, please contact EternaBond, Inc.: Phone: 888-336-2663 Fax: 847-837-9449 Web: <a href="http://www.eternabond.com">www.eternabond.com</a>		



# 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

## 7760/7761 — Epoxy Primer

### 25100: Base 25109 : Curing Agent 95054



<b>Description:</b>	7760/7761 (Hempel 25100) is a two-component epoxy polyamide primer.
<b>Recommended use:</b>	7760/7761 is applied on wood, concrete, and metal surfaces prior to application of surface-applied waterproofing systems.
<b>Availability:</b>	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](http://www.neogard.com).*

### Application details:

<b>Version, mixed product</b>	<b>25100</b>
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)

<b>Safety:</b>	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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<b>Surface preparation:</b>	According to Neogard Guide Specifications.
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<b>Application conditions:</b>	According to Neogard Guide Specifications.
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<b>Subsequent coat:</b>	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

## 84059 (66HJB) Flint Aggregate



<b>Description:</b>	84059 #3 flint aggregate (Hempel 66HJB) is a uniformly graded hard aggregate (8-35 mesh).
<b>Recommended use:</b>	For aggressive skid resistance in Neogard vehicular coating systems.
<b>Availability:</b>	Available in North America. Not included in Group Assortment; other regions must confirm.

### Colors and packaging:

84059 (66HJB99980)	Neutral	80-lb bag
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### Physical constants:

Hardness (Moh's Scale)	6.5 to 7.0
Moisture (H <sub>2</sub> O)	0.02%

#### Sieve Analysis

	Percent retained
8	Trace
10	5-10
12	10-20
14	20-35
16	20-35
20	15-25
30	2-10
35	0-3
Passing	
35	Trace

*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](http://www.neogard.com).*

### Application details:

Application method:	Broadcast, rate according to Neogard system Guide Specifications.
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<b>Safety:</b>	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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<b>Storage:</b>	Store in a dry area.
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# Product Data Sheet

84059 (66HJB)  
Flint Aggregate



Note: **84059 is for professional use only.**

Issued by: Hempel (USA) – 66HJB

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# Product Data Sheet

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



<b>Description:</b>	FC7540/FC7964 (Hempel 47QJB) is a two-component, aliphatic, high solids, fast-cure polyurethane topcoat.
<b>Recommended use:</b>	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.
<b>Features:</b>	Available in a tint base; custom colors can be produced in small amounts. Meets South Coast Air Quality Management District (SCAQMD) VOC requirements.
<b>Certificates/approvals:</b>	LEED: MRc5, IEQc4.2, SSc7.1, BDc4, IDc4 Miami-Dade: NOA No.: 14-0902.10, NOA No. 15-0616.03
<b>Availability:</b>	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	

*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](http://www.neogard.com).*

# Product Data Sheet

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



## Application details:

<b>Version, mixed product</b>	<b>47QJB</b>
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)
<b>Safety:</b>	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.
<b>Application conditions:</b>	Substrate temperature must be between 40°F/4°C and 110°F/43°C.
<b>Preceding coat:</b>	According to Neogard Guide Specifications.
<b>Storage temperature:</b>	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
<b>Remarks:</b>	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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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](http://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](http://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



<b>Description:</b>	70714/70715-01 (Hempel 45061) is a two-component, 100% solids epoxy resin.
<b>Recommended use:</b>	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.
<b>Features:</b>	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.
<b>Certificates/approvals:</b>	LEED: MRc5, IEQc4.2
<b>Availability:</b>	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](http://www.neogard.com).*



# Product Data Sheet

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



## Application details:

<b>Version, mixed product</b>	<b>45061</b>
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)
<b>Safety:</b>	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.
<b>Surface preparation:</b>	According to Neogard Guide Specifications.
<b>Application conditions:</b>	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.
<b>Preceding coat:</b>	According to Neogard Guide Specifications.
<b>Subsequent coat:</b>	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).
<b>Storage temperature:</b>	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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