

# Floor-Gard

## Table of Contents

<b>70714/70715 Epoxy, High Performance</b>	Product Data Sheet	English	<b>2</b>
<b>P1934 Fumed Silica</b>	Product Data Sheet	English	<b>4</b>
<b>70902/70910 Floor- Gard HD/Wall-Gard HD Urethane, Satin</b>	Product Data Sheet	English	<b>5</b>
<b>70900/70910 Floor- Gard HD/Wall-Gard HD Urethane, Gloss</b>	Product Data Sheet	English	<b>7</b>
<b>70901/70910 Floor- Gard HD/Wall-Gard HD Urethane, Semi-Gloss</b>	Product Data Sheet	English	<b>9</b>
<b>#220 Aluminum Oxide</b>	Product Data Sheet	English	<b>11</b>

# 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

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](http://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](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. 70714-70715-PDS ksk 10272021.docx

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# Product Data Sheet

## P1934 (D261) Fumed Silica



<b>Description:</b>	P1934 (Hempel D261) is a synthetic silica powder.	
<b>Recommended use:</b>	As a reinforcing filler and thickening agent for Neogard epoxies, in particular to create patching material for repair of concrete substrates.	
<b>Availability:</b>	Available in North America. Not included in Group Assortment. Availability subject to confirmation.	

### Colors and packaging:

P1934 (D261)	White	20-lb bag
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### Physical constants:

Loss on drying	< 1.5%	DIN EN ISO 787-2
Sieve residue	< 0.03%	DIN EN ISO 787-18
Tamped density	Approx. 40 g/l	DIN EN ISO 787-11
BET surface	175–225 m <sup>2</sup> /g	DIN ISO 9277, DIN 66132

SiO <sub>2</sub>	> 99.8%	DIN EN ISO 3262-19
Density at 68°F/20°C	Approx. 1.27 oz/in <sup>3</sup> 2.2 g/cm <sup>3</sup>	DIN 51757
Loss of weight	< 2%	DIN EN ISO 3262-19
Refraction index	1.46	
pH	3.8–4.3	DIN EN ISO 787-9

*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).*

<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.  Prevent inhalation. Use respirators and/or filter masks when handling. Beware of static discharge when pouring P1934.
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<b>Storage:</b>	Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C. Protect against humidity.
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**Note:** **P1934 is for professional use only.**

**Issued by:** Hempel (USA) – D261

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# Product Data Sheet

**70902/70910 — Floor-Gard/Wall-Gard HD, Satin**  
**47ZJB: Base 47ZJ9 : Curing Agent 94AJB**



<b>Description:</b>	70902/70910 (Hempel 47ZJB) is a two-component, water-based, urethane wall and floor coating.
<b>Recommended use:</b>	As the topcoat for the Neogard Wall-Gard HD wall coating system, and as a topcoat for many Neogard floor coating systems. Applications include: hospitals, operating rooms, pharmaceutical manufacturing facilities, clean rooms, schools, food and beverage processing facilities, and various facility wet areas.
<b>Features:</b>	Low odor and VOC. Resists UV. Durable; resists scrubbing.
<b>Availability:</b>	Available in North America. Not included in Group Assortment; other regions must confirm.

## Colors and packaging:

70902-00 (47ZJ900050)	Satin Clear	3-gallon kits (mixed volume)
70910 (94AJB00000)	NA	
<i>Some standard colors and/or packaging may have extended lead times and/or minimum quantities.</i>		

## Physical constants:

Taber abrasion, 1,000 cycles CS-17	20 mg loss	ASTM D4060
Pencil hardness	4H gouge	ASTM D3363
Volume solids (mixed)	53.5 %	Calculated
Weight/gallon (mixed)	9.18 lbs	ASTM D1475
VOC	<10 g/L	ASTM D3960
Shelf life	1 year	
Dry time to touch*	4–6 hours	ASTM D5895
Recoat time, tack-free*	6–24 hours	ASTM D5895
Cure time*	24 hours	
<i>*75°F/23°C, 50% relative humidity. 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>		

## Application details:

<b>Version, mixed product</b>	<b>47ZJB</b>
Mixing ratio:	Base 47ZJ9 : Curing Agent 94AJB 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, spray (contact Neogard for spray equipment information)
Thinner (max.vol.):	Water (10%)
Pot life:	90 minutes at 75°F/23°C
Recommended film thickness, wet:	4–6 mils
Recommended film thickness, dry:	2–3 mils
Cleaning of tools:	Water

<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.
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<b>Surface preparation:</b>	According to Neogard Guide Specifications.
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<b>Preceding coat:</b>	According to Neogard Guide Specifications.
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# Product Data Sheet

**70902/70910 — Floor-Gard/Wall-Gard HD, Satin**  
**47ZJB: Base 47ZJ9 : Curing Agent 94AJB**



<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: 75°F/23°C. Prevent freezing; product will become unusable if frozen.
<b>Remarks:</b>	For indoor use only.

**Note:** **70902/70910 is for professional use only.**

**Issued by:** Hempel (USA) – 47ZJB

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# Product Data Sheet

**70900/70910 — Wall-Gard/Floor Gard HD Coating, Gloss**  
**47DJB: Base 47DJ9 : Curing Agent 94AJB**



**Description:** 70900/70910 (Hempel 47DJB) is a two-component, water-based, urethane wall and floor coating.

**Recommended use:** As the topcoat for the Neogard Wall-Gard HD wall coating system, and as a topcoat for many Neogard floor coating systems.  
Applications include: hospitals, operating rooms, pharmaceutical manufacturing facilities, clean rooms, schools, food and beverage processing facilities, and various facility wet areas.

**Features:** Available in 24 standard colors, can be tinted.  
Low odor and VOC.  
Resists UV.  
Durable; resists scrubbing.

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

## Colors and packaging:

70900-00 (47DJ900050)	Gloss Neutral	
70900-01 (47DJ910000)	Gloss White	
70900 Tint Base (47DJ900010)	Tint Base, White	4-gallon kits (mixed volume)
70910 (94AJB00000)	NA	

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

## Physical constants:

Impact resistance	160 lbs/in	ASTM D2794
Taber abrasion, 1,000 cycles CS-17	67 mg loss	ASTM D4060
Pencil hardness	4H gouge	ASTM D3363
Volume solids (mixed)	55%	Calculated
Weight/gallon (mixed)	10.85 lbs	ASTM D1475
VOC	<20 g/L	ASTM D3960
Shelf life	1 year	
Dry time to touch*	6–8 hours	ASTM D5895
Recoat time, tack-free*	8–24 hours	ASTM D5895
Cure time*	24 hours	

*\*75°F/23°C, 50% relative humidity. 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>47DJB</b>
Mixing ratio:	Base 47DJ9 : Curing Agent 94AJB 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, brush, spray (contact Neogard for spray equipment information)
Thinner (max.vol.):	Water (10%)
Pot life:	90 minutes at 75°F/23°C
Recommended film thickness, wet:	6–8 mils
Recommended film thickness, dry:	3–4 mils
Cleaning of tools:	Water

**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.

# Product Data Sheet

**70900/70910 — Wall-Gard/Floor Gard HD Coating, Gloss**  
**47DJB: Base 47DJ9 : Curing Agent 94AJB**



<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: 75°F/23°C. Prevent freezing; product will become unusable if frozen.
<b>Remarks:</b>	For indoor use only.

**Note:** **70900/70910 is for professional use only.**

**Issued by:** Hempel (USA) – 47DJB

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# Product Data Sheet

**70901/70910 — Floor-Gard/Wall-Gard HD Coating, Semi-Gloss**  
**47VJB: Base 47VJ9 : Curing Agent 94AJB**



**Description:** 70901/70910 (Hempel 47VJB) is a two-component, water-based, urethane wall and floor coating.

**Recommended use:** As the topcoat for the Neogard Wall-Gard HD wall coating system, and as a topcoat for many Neogard floor coating systems.  
Applications include: hospitals, operating rooms, pharmaceutical manufacturing facilities, clean rooms, schools, food and beverage processing facilities, and various facility wet areas.

**Features:** Available in 24 standard colors, can be tinted.  
Low odor and VOC.  
Resists UV.  
Durable; resists scrubbing.

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

## Colors and packaging:

70901-00 (47VJ900050)	Semi-Gloss Neutral	
70901-01 (47VJ910000)	Semi-Gloss White	
70901 Tint Base (47VJ900010)	Tint Base, White	4-gallon kits (mixed volume)
70910 (94AJB00000)	NA	

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

## Physical constants:

Impact resistance	160 lbs/in	ASTM D2794
Taber abrasion, 1,000 cycles CS-17	67 mg loss	ASTM D4060
Pencil hardness	4H gouge	ASTM D3363
Volume solids (mixed)	55%	Calculated
Weight/gallon (mixed)	10.85 lbs	ASTM D1475
VOC	<20 g/L	ASTM D3960
Shelf life	1 year	
Dry time to touch*	6–8 hours	ASTM D5895
Recoat time, tack-free*	8–24 hours	ASTM D5895
Cure time*	24 hours	

*\*75°F/23°C, 50% relative humidity. 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>47VJB</b>
Mixing ratio:	Base 47VJ9 : Curing Agent 94AJB 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, brush, spray (contact Neogard for spray equipment information)
Thinner (max.vol.):	Water (10%)
Pot life:	90 minutes at 75°F/23°C
Recommended film thickness, wet:	6–8 mils
Recommended film thickness, dry:	3–4 mils
Cleaning of tools:	Water

**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.

# Product Data Sheet

**70901/70910 — Floor-Gard/Wall-Gard HD Coating, Semi-Gloss**  
**47VJB: Base 47VJ9 : Curing Agent 94AJB**



<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: 75°F/23°C. Prevent freezing; product will become unusable if frozen.
<b>Remarks:</b>	For indoor use only.

**Note:** **70901/70910 is for professional use only.**

**Issued by:** Hempel (USA) – 47VJB

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# Product Data Sheet

## 67BUS99981

### 220 Grit Aluminum Oxide Aggregate



**Description:** Neogard 67BUS99981 is a 220 grit aluminum oxide aggregate.

**Recommended use:** 67BUS99981 is added to Neogard Floor-Gard HD, Floor-Gard HD Grind & Seal, or other Neogard flooring systems to create a non-skid texture and improve abrasion resistance.

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

#### Colors and packaging:

67BUS99981	White	50 lb. bag
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#### Physical constants:

Grain shape	Angular
Hardness	9.0 Mohs
Specific gravity	3.95 g/cm <sup>3</sup>
Bulk density, loose	1.61-1.87 g/cm <sup>3</sup>

#### Application details:

**Application and mixing:** See Neogard Guide Specifications for application instructions and mix ratios.

**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.

**Note:** **67BUS99981 is for professional use only.**

**Issued by:** Hempel (USA) – 66030

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](http://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](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. 67BUS99981-PDS ksk 04122021.docx

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