



Ten
ways
to seal
your
reputation

After all the styling and engineering, it comes down to assembly. With over 30 years of silicone expertise, Novagard has seen through a *lot* of windows and finished off a *lot* of doors.

A sealant system for every need.



The quality of our products will gain you just that much *more* respect for the quality of *yours*. While our Custom Color Install Program will help make certain the *installation* is a top-notch job, too.

NOVAGARD
Performance Silicones | Woman Owned





- Great for exterior and interior sealing
- Permanently flexible
- Will not shrink or crack
- Waterproof
- Mold/mildew resistant
- Superior UV resistance
- Excellent adhesion to most building substrates
- Will not sag or slump
- Completely cured within 48 hours
- Tack-free in 10 minutes
- Excellent tooling properties
- No solvents or odor (50-state VOC compliant)
- Will not freeze

Also available in
FAST TACK
 for Earlier Green Strength

A great everyday choice for glazing windows or structural back-bedding,

Multi-Purpose Adhesive Sealant

is an odorless, all-weather premium silicone that remains flexible to resist cracking, mildew, and discoloration for years to come.



IN STOCK COLOR CHART



SEE PAGE 26 FOR CLASS 50 COLORS
 CUSTOM COLORS AVAILABLE UPON REQUEST.



PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range Type I - Class 35	Performance Range Type II - Class 50
Appearance		Paste (Various Colors)	Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	3,500 - 7,000 poises	4,500 - 8,000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	30 - 80 grams/minute	30 - 80 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 minutes	5 - 10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours (14 days for OEM window applications)	48 hours (14 days for OEM window applications)

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value Type I - Class 35	Typical Value Type II - Class 50
Specific Gravity		1.00 - 1.05	1.15 - 1.25
Tensile Strength	ASTM D412	140 - 200 psi	170 - 220 psi
Elongation	ASTM D412	500 - 650%	800 - 1000%
Tear Resistance	ASTM D624	30 - 35 pli	30 - 35 pli
Shore Hardness	ASTM D2240	20 +/- 5	25 +/- 5
Service Temperature		-40°F to 400°F (-40°C to 204°C)	-40°F to 400°F (-40°C to 204°C)
Joint Sealant Designation	ASTM C920	Type S Grade NS Class 35 Use NT, M, G, A, O	Type S Grade NS Class 50 Use NT, M, G, A, O
Adhesion Glass Aluminum Vinyl	ASTM D903	12 - 15 pli 10 - 14 pli 12 - 15 pli	12 - 15 pli 10 - 14 pli 12 - 15 pli

*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional info.

AVAILABLE IN: 10 ounce cartridges, 20 ounce sausage packs, 5 gallon pails, and 55 gallon drums.

SPECIFICATIONS: Meets or exceeds ASTM C-920, TT-S-001543A, and TT-S-230C. AAMA 803.3 (I), 805.2 C, 808.3.

USES: Window and door assembly. Glazing and back bedding. Sealing rivets, gutters, corner joints, and screw heads.



- Great for exterior and interior sealing
- Permanently flexible
- Will not shrink or crack
- Waterproof
- Mold/mildew resistant
- Superior UV resistance
- Excellent adhesion to most building substrates
- Will not sag or slump
- Completely cured within 48 hours
- Tack-free in 10 minutes
- Excellent tooling properties
- No solvents or odor (50-state VOC compliant)
- Will not freeze

A single-component silicone used to construct your metal frames,

Metal Roof & Panel Adhesive Sealant

adheres to a wide variety of substrates, including anodized aluminum, painted metal, and PVDF-coated steel, while drying to a durable, rubber-like solid impervious to UV light, so it will never chalk or fade.



CLASS 50 SEALANT

PRODUCT SPECIFICATIONS

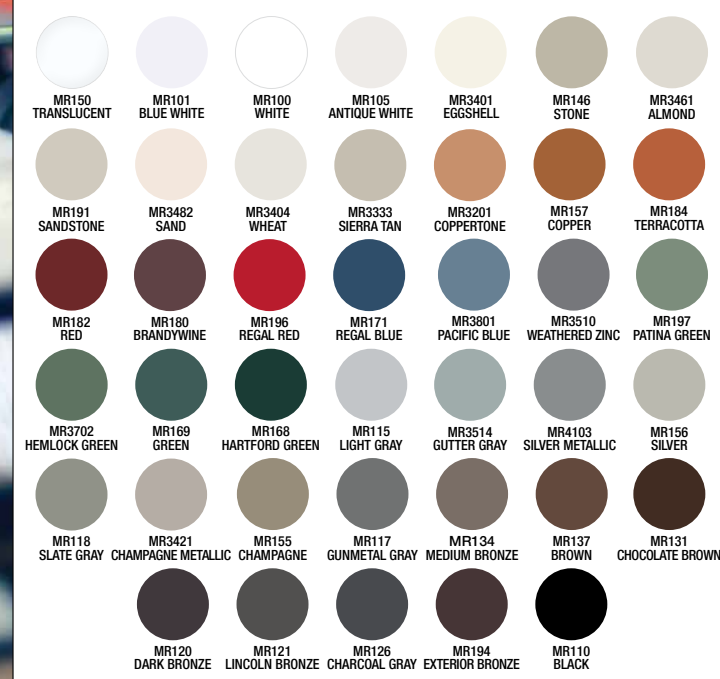
Physical Property	Test Method	Performance Range Type I - Class 35	Performance Range Type II - Class 50
Appearance		Paste (Various Colors)	Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	3,500-7,000 poises	4,500-8,000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	30 - 80 grams/minute	30 - 80 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 minutes	5 - 10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours (14 days for OEM window applications)	48 hours (14 days for OEM window applications)

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value Type I - Class 35	Typical Value Type II - Class 50
Specific Gravity		1.00 - 1.05	1.15 - 1.25
Tensile Strength	ASTM D412	140 - 200 psi	170 - 220 psi
Elongation	ASTM D412	500 - 650%	800 - 1000%
Tear Resistance	ASTM D624	30 - 35 pli	30 - 35 pli
Shore Hardness	ASTM D2240	20 +/- 5	25 +/- 5
Service Temperature		-40°F to 400°F (-40°C to 204°C)	-40°F to 400°F (-40°C to 204°C)
Joint Sealant Designation	ASTM C920	Type S Grade NS Class 35 Use NT, M, G, A, O	Type S Grade NS Class 50 Use NT, M, G, A, O
Adhesion Glass Aluminum Vinyl	ASTM D903	12 - 15 pli 10 - 14 pli 12 - 15 pli	12 - 15 pli 10 - 14 pli 12 - 15 pli

*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional info.

IN STOCK COLOR CHART



SEE PAGE 26 FOR CLASS 50 COLORS
CUSTOM COLORS AVAILABLE UPON REQUEST.

AVAILABLE IN: 10 ounce cartridges, 20 ounce sausage packs, 5 gallon pails, and 55 gallon drums.

SPECIFICATIONS: Meets or exceeds ASTM C-920, TT-S-001543A, and TT-S-230C. AAMA 803.3 (I), 805.2 C, 808.3.

USES: Window and door assembly. Glazing and back bedding. Sealing rivets, gutters, corner joints, and screw heads.



- “Liquid Shim” effect minimizes squeeze out and controls sealant thickness
- Complements most glazing rabbet designs
- Primer-less adhesion to most substrates

Created especially for glazing rabbet profile design windows,

Beaded Glazing / Bedding Compound

is a patented material combining oxime-cure silicone with consistently sized spacer-beads to provide a “liquid shim”, assuring precise compound thickness between glass and sash.

Also available in
FAST TACK
 for Earlier Green Strength

PRODUCT SPECIFICATIONS		
Physical Property	Test Method	Performance Range
Appearance		Paste (Translucent)
Viscosity	Brookfield #7 @ 10 rpm	3,500 - 7,000 poises
Skin Over Time	3/8" @ 50% RH & 77°F	4-10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours (14 days for OEM window applications)

TYPICAL PROPERTIES*		
Physical Property	Test Method	Typical Value
Specific Gravity		1.05 - 1.10
Tensile Strength	ASTM D412	100 - 200 psi
Elongation	ASTM D412	400 - 650%
Tear Resistance	ASTM D624	30 - 35 pli
Shore Hardness	ASTM D2240	25 +/- 5
Adhesion Glass Aluminum Wood	ASTM D903	12 - 15 pli 10 - 14 pli 12 - 15 pli

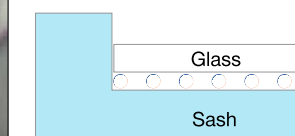
*The values outlined reflect testing that was conducted under laboratory conditions and will depend on the concentration of the beads present in the sample, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional info.

AVAILABLE IN: 10 ounce cartridges, 5 gallon pails, and 55 gallon drums

COLOR: Translucent in regular formulation and in *Fast Tack*

SPECIFICATIONS: Meets or exceeds the performance characteristics of AAMA 802.3 Type II, AAMA 803.3 Type I, and AAMA 805.2 Group C.

- BEAD SIZES:**
- SBC 30 = 0.025" - 0.035"
 - SBC 40 = 0.035" - 0.045"
 - SBC 50 = 0.045" - 0.055"



MINIMIZE SQUEEZE-OUT: Spacer beads support the glass and maintain uniform glazing depth during cure for tighter manufacturing tolerances, higher quality, and fewer warranty claims.





- Neutral cure silicone
- High elongation
- Non-corrosive formulation
- Excellent chemical resistance
- High tensile strength
- Deep section cure
- Excellent adhesion to window and door substrates
- Utilized in window fenestration for impact resistant systems
- Miami-Dade approved
- Part of an impact resistant window system

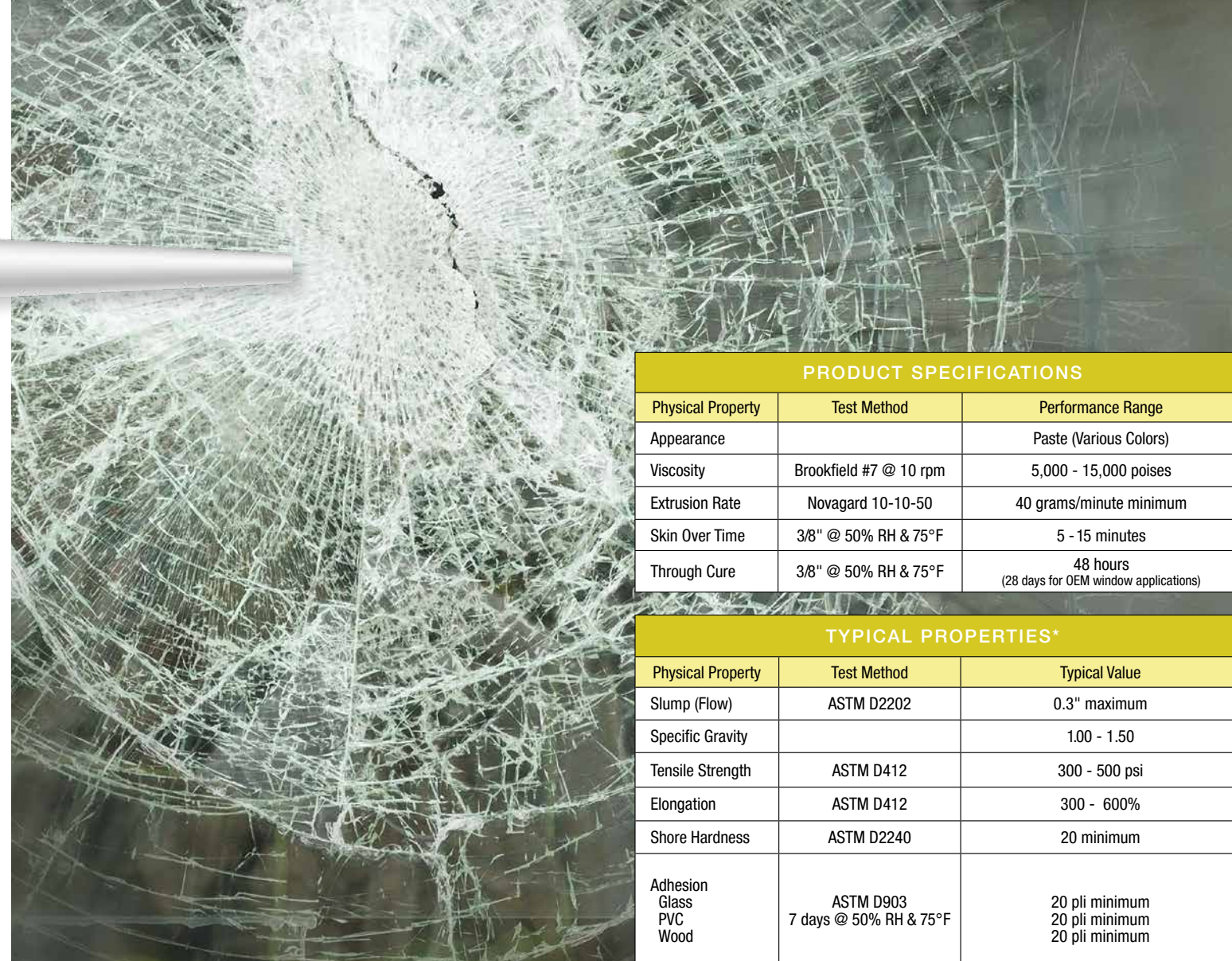
A cost-effective alternative to competitive 2-part sealants, structural tapes, and windshield urethanes,

High Impact Glazing Sealant

is a one-part neutral cure silicone sealant/adhesive with excellent adhesion to numerous substrates, formulated for impact protection and blast resistance.

Under Development for 2023!

Soon, you'll be able to get all the performance of NovaFlex Impact Glazing with the incredible speed of our **Qwik-Set Technology**—for glazing jobs that go fast and hold fast.



PRODUCT SPECIFICATIONS		
Physical Property	Test Method	Performance Range
Appearance		Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	5,000 - 15,000 poises
Extrusion Rate	Novagard 10-10-50	40 grams/minute minimum
Skin Over Time	3/8" @ 50% RH & 75°F	5 - 15 minutes
Through Cure	3/8" @ 50% RH & 75°F	48 hours (28 days for OEM window applications)

TYPICAL PROPERTIES*		
Physical Property	Test Method	Typical Value
Slump (Flow)	ASTM D2202	0.3" maximum
Specific Gravity		1.00 - 1.50
Tensile Strength	ASTM D412	300 - 500 psi
Elongation	ASTM D412	300 - 600%
Shore Hardness	ASTM D2240	20 minimum
Adhesion Glass PVC Wood	ASTM D903 7 days @ 50% RH & 75°F	20 pli minimum 20 pli minimum 20 pli minimum

*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional info.



IN STOCK COLOR CHART



AVAILABLE IN: 10 ounce cartridges

SPECIFICATIONS: Meets or exceeds the performance characteristics of AAMA 802.3, 805.2 Group C, and 808.3 Type I.

USES: Window and door frame assembly and glazing/back bedding for impact-resistant window and door systems.

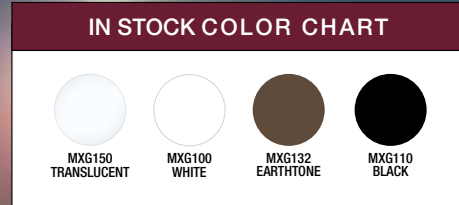


- Low reactivity
- Excellent chemical resistance
- Excellent UV resistance
- Permanently flexible
- Deep section cure
- Excellent adhesion
- High elongation

Designed to protect the IG secondary seal from attack and degradation,

Ultra-Low Migration Glazing Sealant

is the premium paste you need to reduce premature failure and warranty calls.



PRODUCT SPECIFICATIONS		
Physical Property	Test Method	Performance Range
Appearance		Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	7,000 - 15,000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	10 - 40 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours (14 days for OEM window applications)

TYPICAL PROPERTIES*		
Physical Property	Test Method	Typical Value
Specific Gravity		1.00 - 1.05
Tensile Strength	ASTM D412	200 - 250 psi
Elongation	ASTM D412	400 - 450%
Tear Resistance	ASTM D624	20 - 25 pli
Shore Hardness	ASTM D2240	20 +/- 5
Adhesion Glass Aluminum Wood	ASTM D903	13 - 17 pli 13 - 17 pli 13 - 17 pli

*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional info.

AVAILABLE IN: 10 ounce cartridges, 20 ounce sausage packs, 400 ml sausage packs, 5 gallon pails, and 55 gallon drums.

SPECIFICATIONS: Meets or exceeds the performance characteristics of ASTM C-920, AAMA 802.3, 805.2, 808.3, TT-S-001543A and TT-S-230C.

USES: Specifically formulated to protect the IG secondary seal, NovaFlex ULM Glazing reduces field failures and warranty claims.



- High tensile strength
- Low reactivity
- Miami-Dade
- Part of impact resistant systems for windows
- Excellent chemical resistance
- Excellent UV resistance
- Deep section cure
- Excellent adhesion to various substrates
- High elongation

Engineered to prevent any harm from coming to the IG secondary seal,

Ultra-Low Migration High Impact Glazing Sealant

develops a sure bond to most substrates and offers extremely high tensile strength to provide the longest lasting seal possible for high impact windows.



IN STOCK COLOR CHART



PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	5,000 - 15,000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	30 - 60 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours (28 days for OEM window applications)

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.05 - 1.10
Tensile Strength	ASTM D412	400 - 500 psi
Elongation	ASTM D412	400 - 500%
Tear Resistance	ASTM D624	30 - 35 pli
Shore Hardness	ASTM D2240	40 +/- 5
Adhesion Glass Aluminum Wood	ASTM D903	14 - 18 pli 14 - 18 pli 14 - 18 pli

*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional info.

AVAILABLE IN: 10 ounce cartridges, 20 ounce sausage packs, 5 gallon pails, and 55 gallon drums.

SPECIFICATIONS: Meets or exceeds the performance characteristics of AAMA 803.3 (I), 808.3.

USES: Specifically formulated to protect the IG secondary seal in impact-resistant window systems, NovaFlex ULM Impact Glazing reduces field failures and warranty claims.



- Develops primerless bond to most substrates and commonly used accessories
- Rapid-cure means high unit throughput
- Low pumping viscosity on production equipment
- Void-free filling of sealant joint
- Long-term resistance to natural weathering

Allowing for movement of assemblies within minutes of application without glass shifting,

Qwik-Set Glazing Sealant

is a two-component, neutral cure silicone that rapidly builds adhesive and elastomeric strength while bedding or glazing, to help speed up your production line.

Under Development for 2023!

Soon, you'll be able to get all the performance of NovaFlex Impact Glazing with the incredible speed of our **Qwik-Set Technology**—for glazing jobs that go fast and hold fast.



COLOR CHART



AVAILABLE IN:
Base (Part A) 55 gallon drums, Catalyst (Part B) 55 gallon drums or 5 gallon pails.

SPECIFICATIONS: Meets or exceeds the strength performance characteristics of ASTM C1184, AAMA 802.3-92, Type II, and AAMA 805.2-95, Group C.

USES: Designed to support high manufacturing throughput, the variable mix ratio of NovaFlex Qwik-Set Glazing allows the cure profile to be dynamically adjusted based on plant conditions.

TYPICAL UNCURED PROPERTIES*

Physical Property	Base (Part A)	Catalyst (Part B)
Appearance	Paste (QG000 Off White)	Paste (QG110 Black) Paste (QG126 Black)
Viscosity	2,000 - 4,000 poises	2,000 - 4,000 poises
Specific Gravity	1.35	1.05

MIX RATIO BY WEIGHT*

Physical Property	Base to 1 gm of Catalyst				
Base Ratio by Volume	8:1	9:1	10:1	11:1	12:1
Base Weight (gm)	10.3	11.6	12.9	14.1	15.4

MIXED PROPERTIES*

Physical Property	Typical Value
Specific Gravity	1.31
Sag, Boeing Jig	<0.1

TYPICAL CURED PROPERTIES (10:1 by volume)*

Physical Property	Test Method	Typical Value
Color	-	Black (QG110) Dark Gray (QG126)
Tensile Strength	ASTM D412	200 - 250 psi
Elongation	ASTM D412	350 - 425%
Shore A Hardness	ASTM D2240	32
Peel Strength Aluminum Glass	ASTM C974	7-Day Cure 10.4 lbf/in 10.6 lbf/in
Green Strength 15 minutes 30 minutes	ASTM C1135	30 psi 60 psi

TYPICAL CURE RATES*

Base Ratio by Volume	8:1	10:1	12:1
Typical Snap Time	3 - 5 minutes	6 - 8 minutes	9 - 11 minutes
Typical Tack-Free Time	7 - 11 minutes	11 - 15 minutes	15 - 19 minutes

*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional info.



- Develops primerless bond to most substrates and commonly used accessories
- Rapid-cure with 10-15 minute snap time
- AAMA verified strength and adhesion
- Long-term resistance to natural weathering
- Easy-to-use, portable format
- 400ml 2:1 cartridges

Want to make hand glazing, field glazing, and field repairs faster?

Qwik-Set Portable Adhesive & Glazing Sealant

offers all the speed and performance of Qwik-Set in a convenient portable format.



If you can gun sealant, you can gun Qwik-Set. Just pop the dual-cartridge into the portable pneumatic gun, attach the special mix-nozzle, pump until you see a consistent color, then start glazing!



AVAILABLE IN:
400ml 2:1 cartridges (266ml A:133ml B).

SPECIFICATIONS: Meets or exceeds the strength performance characteristics of AAMA 802.3-92, Type II, and AAMA 805.2-95, Group C.

USES: Designed to support high manufacturing throughput, the variable mix ratio of NovaFlex Qwik-Set Glazing allows the cure profile to be dynamically adjusted based on plant conditions.

TYPICAL UNCURED PROPERTIES*

Physical Property	Base (Part A)	Catalyst (Part B)
Appearance	Paste (Black)	Paste (White)
Viscosity (cPs)	80,000 - 120,000	40,000 - 60,000
Specific Gravity	1.35	1.67

MIX RATIO BY WEIGHT*

Physical Property	Base to 1 gm of Catalyst
Base Ratio by Volume	2A : 1B
Base Weight (gm)	1.6

MIXED PROPERTIES*

Physical Property	Typical Value
Specific Gravity	1.46
Sag, Boeing Jig	< 0.1"

TYPICAL CURED PROPERTIES*

Physical Property	Test Method	Typical Value
Color	-	Black
Tensile Strength	ASTM D412	200 - 250 psi
Elongation	ASTM D412	350 - 400%
Shore A Hardness	ASTM D2240	45 - 55
Peel Strength Aluminum Glass	ASTM C974	>12.5 lbf >12.5 lbf
Green Strength 20 minutes-Glass 20 minutes-Aluminum 30 minutes- Glass 30 minutes- Aluminum	ASTM C1135	20 psi 15psi 55psi 50 psi

TYPICAL CURE RATES*

Base Ratio by Volume	2:1
Typical Snap Time	10 - 15 minutes
Typical Tack-Free Time	15 - 20 minutes

*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional info.



After three decades of producing window glazing,
our silicone expertise will now go into our

IG Secondary Sealant

to offer you a complete system of compatible sealants
and glazes to maximize the manufacturing process
and performance of your windows.

In qualification testing for late 2022 availability!



- No brittleness or cracking
- Permanently flexible for long life
- Assures structural integrity
- UV resistant
- Excellent durability when exposed to moisture
- Long-term adhesion to a wide range of substrates including coated and reflective glasses, aluminum and steel spacers, and a variety of plastics

And under development for 2023...

Even as we conduct qualification testing, we are already working on an improvement—before long, you'll be able to get all the performance of our new IG Secondary Sealant with the speed of our amazing Qwik-Set Technology.





- Low odor
- Semi self leveling
- Neutral cure
- Quick drying
- Permanently flexible

Ideal for applications requiring the coating to flow into small crevices and hard to reach areas,

Seam Sealer

is a semi-self-leveling liquid that cures to a rubber-like solid which will not crack or drop out of joints.



PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Semi-Self-Leveling Fluid (Various Colors)
Viscosity	RVT Spindle #7 @ 20 rpm RVT Spindle #7 @ 10 rpm	700 - 1,100 poises 1,000 - 1,350 poises
Skin Over Time	3/8" @ 50% RH & 77°F	30 minutes max
Through Cure	3/8" @ 50% RH & 77°F	24 - 48 hours

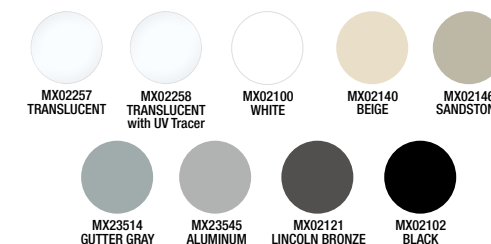
TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.05 - 1.20
Tensile Strength	ASTM D412	200 psi
Elongation	ASTM D412	250%
Shore Hardness	ASTM D2240	20 +/- 5
Adhesion Glass Aluminum	ASTM D903	>15 pli >15 pli

*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional info.



IN STOCK COLOR CHART



AVAILABLE IN: 10 ounce cartridges and 3 ounce squeeze tubes.

SPECIFICATIONS: Meets or exceeds the performance characteristics of AAMA 803.3, Type II.

USES: Sealing rivets, gutters, corner joints, and screw heads.

APPLICATION NOTE: Due to the flowable nature of NovaFlex Seam Sealer, it may not be suitable for use on vertical joints unless tooled immediately after application. Consider NovaFlex Void & Cavity Filler (Page 22) for vertical applications. Consult your sales representative.



- Low odor
- Low reactivity
- Excellent chemical resistance
- Deep section neutral cure
- Permanently flexible

The best way to reinforce your frame with a rubber-like solid that will not crack or fall out of joints,

Void and Cavity Filler

is a non-sagging, non-corrosive, single-component silicone paste that cures upon exposure to atmospheric moisture and remains flexible forever.



PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	5,000 - 15,000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	10 - 40 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours (14 days for OEM window applications)

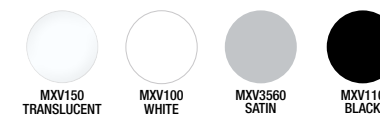
TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value (Class +100/-50)
Specific Gravity		1.00 - 1.10
Tensile Strength	ASTM D412	200 - 250 psi
Elongation	ASTM D412	400 - 450%
Tear Resistance	ASTM D624	20 - 25 pli
Shore A Hardness	ASTM D2240	20 +/- 5

*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional info.



IN STOCK COLOR CHART



AVAILABLE IN: 10 ounce cartridges, 20 ounce sausage packs, 5 gallon pails, and 55 gallon drums.

SPECIFICATIONS: Meets or exceeds the performance characteristics of AAMA 803.3(I).

USES: Sealing rivets, corner joints, and screw heads. Mounting corner keys and acting as a reinforcing sealant during assembly. Filling internal voids in assembled frames.



- Can be painted/top coated in 1 hour
- Great for interior and exterior sealing
- Will not sag or slump
- Excellent tooling properties
- Excellent weathering properties
- Joint movement +/- 35%
- No shrinking or cracking
- Resists dirt pickup
- UV and mold/mildew resistant
- Applies vertically and overhead
- Safe to use indoors - no odor
- No solvents (50-state VOC compliant)
- Durable, long-lasting seal
- Bonds to a variety of substrates without priming

The premium choice for assembly of wooden windows, **NovaBond Hybrid Construction Sealant** provides 50-60% more tensile strength than silicone for ultimate sturdiness, and when cured, achieves a surface hardness consistent with wood and is paintable in an hour.



PRODUCT SPECIFICATIONS		
Physical Property	Test Method	Performance Range
Appearance		Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	4,000 - 8,000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	≥ 40 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	10-45 minutes
Through Cure	3/8" @ 50% RH & 77°F	7 days

TYPICAL PROPERTIES*		
Physical Property	Test Method	Typical Value
Specific Gravity		1.40- 1.50
Tensile Strength	ASTM D412	200 psi
Elongation	ASTM D412	300%
Shore Hardness	ASTM D2240	40 +/- 5
Adhesion Glass Aluminum Wood PVC	ASTM D903	13 pli 15 pli 15 pli 14 pli
Joint Movement	ASTM C719	+/- 35
UV Exposure	ASTM G154 (2,000 hours UV-A)	Pass
Shelf Life		18 months

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IN STOCK COLOR CHART

NBP100 WHITE	NBP105 ANTIQUÉ WHITE	NBP107 CANVAS	NBP140 BEIGE	NBP191 MONTEREY SAND
NBP146 SANDSTONE	NBP159 LIMESTONE	NBP3515 CAPE COD GRAY	NBP134 TERRATONE	NBP182 RED ROCK
NBP193 COCOA BEAN	NBP120 DARK BRONZE	NBP162 FOREST GREEN	NBP110 BLACK	

CUSTOM COLORS AVAILABLE UPON REQUEST.

AVAILABLE IN: 10 ounce cartridges, 20 ounce sausage packs, 5 gallon pails, and 55 gallon drums.

SPECIFICATIONS: Meets or exceeds the performance characteristics of ASTM C-920, Type S, Grade NS, Class 35, use NT, M, G, A, and O. AAMA 802.3 (I), 803.3 (I), 805.2 C, 808.3

USES: Window and door assembly. Glazing and back bedding.

NOVAFLEX Class 50 Colors

- Neutral cure silicone
- Excellent adhesion
- Permanently flexible
- Extrudes to -20°F
- Adheres to:
 - Metals
 - Wood
 - Glass
 - Masonry
 - PVC/PVDF
 - Common Construction Materials

Available with a 5, 10, or 20 year warranty.
Consult your distributor or representative.

Along with excellent adhesion and permanent flexibility, our class 50 sealants also offer an amazing choice of colors. Don't see just the one you're looking for?

Call us. We'll custom mix a shade to perfectly match your window.



CUSTOM COLOR INSTALL PROGRAM

Get your own custom color card. Not only will we help make your windows look great, we'll help your brand look pretty good, too. With 'dot' cards featuring samples of all your custom colors with your custom color names. It's something that can be touched and felt, and will help your sales team prove to a potential buyer that your desire to provide them a great window doesn't end in the factory.


Colors shown for illustrative purposes. Verify product color match before applying.

Do glazing or back-bedding		Build metal frames		Easily apply a "liquid shim"		Assure top tensile strength		Protect window components		Protect high impact windows		Get higher throughput		Seal seams and small crevices		Reinforce with no corrosion		Get a strong yet paintable bond	
NOVAFLEX Multi-Purpose Adhesive Sealant		NOVAFLEX Metal Roof Adhesive Sealant		NOVAFLEX Beaded Glazing/Bedding Compound		NOVAFLEX High Impact Glazing Sealant		NOVAFLEX Ultra-Low Migration Glazing Sealant		NOVAFLEX Ultra-Low Migration High Impact Glazing Sealant		NOVAFLEX Qwik-Set 2-Part Glazing Sealant		NOVAFLEX Seam Sealer		NOVAFLEX Void and Cavity Filler		NOVABOND Hybrid Construction Sealant	
APPEARANCE	Paste Various Colors	APPEARANCE	Paste Various Colors	APPEARANCE	Paste Translucent	APPEARANCE	Paste Various Colors	APPEARANCE	Paste Various Colors	APPEARANCE	Paste Various Colors	APPEARANCE	Paste Various Colors	APPEARANCE	Semi-Self Leveling Fluid Various Colors	APPEARANCE	Paste Various Colors	APPEARANCE	Paste Various Colors
VISCOSITY (Poises) (Brookfield #7 @ 10rpm)	3,500 - 7,000 Type I/Class 35 4,500 - 8,000 Type II/Class 50	VISCOSITY (Poises) (Brookfield #7 @ 10rpm)	3,500 - 7,000 Type I/Class 35 4,500 - 8,000 Type II/Class 50	VISCOSITY (Poises) (Brookfield #7 @ 10rpm)	3,500 - 7,000	VISCOSITY (Poises) (Brookfield #7 @ 10rpm)	5,000 - 15,000	VISCOSITY (Poises) (Brookfield #7 @ 10rpm)	7,000 - 15,000	VISCOSITY (Poises) (Brookfield #7 @ 10rpm)	5,000 - 15,000	VISCOSITY (Poises) (Brookfield #7 @ 10rpm)	2,000 - 4,000 Part A Base 2,000 - 4,000 Part B Catalyst	VISCOSITY (Poises) (RVT Spindle #7)	700 - 1,100 @ 20 rpm 1,000 - 1,350 @ 10 rpm	VISCOSITY (Poises) (Brookfield #7 @ 10rpm)	5,000 - 15,000	VISCOSITY (Poises) (Brookfield #7 @ 10rpm)	4,000 - 8,000
EXTRUSION RATE (grams/minute)	30 - 80 1/8" Orifice @ 50 psi	EXTRUSION RATE (grams/minute)	30 - 80 1/8" Orifice @ 50 psi	EXTRUSION RATE (grams/minute)	n/a	EXTRUSION RATE (grams/minute)	40 Novagard 10-10-50	EXTRUSION RATE (grams/minute)	10 - 40 1/8" Orifice @ 50 psi	EXTRUSION RATE (grams/minute)	30 - 60 1/8" Orifice @ 50 psi	EXTRUSION RATE (grams/minute)	n/a	EXTRUSION RATE (grams/minute)	n/a	EXTRUSION RATE (grams/minute)	10 - 40 1/8" Orifice @ 50 psi	EXTRUSION RATE (grams/minute)	≥ 40 1/8" Orifice @ 50 psi
SKIN OVER TIME (3/8" @ 50% RH & 77°F)	5 - 10 min	SKIN OVER TIME (3/8" @ 50% RH & 77°F)	5 - 10 min	SKIN OVER TIME (3/8" @ 50% RH & 77°F)	4 - 10 min	SKIN OVER TIME (3/8" @ 50% RH & 75°F)	5 - 15 min	SKIN OVER TIME (3/8" @ 50% RH & 77°F)	5 - 10 min	SKIN OVER TIME (3/8" @ 50% RH & 77°F)	5 - 10 min	TACK FREE TIME (3/8" @ 50% RH & 77°F)	7 - 19 min	SKIN OVER TIME (3/8" @ 50% RH & 77°F)	<30 min	SKIN OVER TIME (3/8" @ 50% RH & 77°F)	5 - 10 min	SKIN OVER TIME (3/8" @ 50% RH & 77°F)	10 - 45 min
THROUGH CURE (3/8" @ 50% RH & 77°F)	48 hours (14 days for OEM window applications)	THROUGH CURE (3/8" @ 50% RH & 77°F)	48 hours (14 days for OEM window applications)	THROUGH CURE (3/8" @ 50% RH & 77°F)	48 hours (14 days for OEM window applications)	THROUGH CURE (3/8" @ 50% RH & 75°F)	48 hours (28 days for OEM window applications)	THROUGH CURE (3/8" @ 50% RH & 77°F)	48 hours (14 days for OEM window applications)	THROUGH CURE (3/8" @ 50% RH & 77°F)	48 hours (28 days for OEM window applications)	SNAP TIME (3/8" @ 50% RH & 77°F)	3 - 11 min	THROUGH CURE (3/8" @ 50% RH & 77°F)	24 - 48 hrs	THROUGH CURE (3/8" @ 50% RH & 77°F)	48 hours (14 days for OEM window applications)	THROUGH CURE (3/8" @ 50% RH & 77°F)	7 days
SLUMP (Flow)	no slump	SLUMP (Flow)	no slump	SLUMP (Flow)	no slump	SLUMP (Flow) (ASTM D412)	0.3" maximum	SLUMP (Flow)	no slump	SLUMP (Flow)	no slump	SLUMP (Flow)	no slump	SLUMP (Flow)	n/a	SLUMP (Flow)	no slump	SLUMP (Flow)	no slump
SPECIFIC GRAVITY	1.00 - 1.05 Type I/Class 35 1.15 - 1.25 Type II/Class 50	SPECIFIC GRAVITY	1.00 - 1.05 Type I/Class 35 1.15 - 1.25 Type II/Class 50	SPECIFIC GRAVITY	1.05 - 1.10	SPECIFIC GRAVITY	1.00 - 1.50	SPECIFIC GRAVITY	1.00 - 1.05	SPECIFIC GRAVITY	1.05 - 1.10	SPECIFIC GRAVITY	1.35 Part A Base 1.05 Part B Catalyst	SPECIFIC GRAVITY	1.05 - 1.20	SPECIFIC GRAVITY	1.00 - 1.10	SPECIFIC GRAVITY	1.40 - 1.50
TENSILE STRENGTH (ASTM D412)	140 - 200 psi Type I/Class 35 170 - 220 psi Type II/Class 50	TENSILE STRENGTH (ASTM D412)	140 - 200 psi Type I/Class 35 170 - 220 psi Type II/Class 50	TENSILE STRENGTH (ASTM D412)	100 - 200 psi	TENSILE STRENGTH (ASTM D412)	300 - 500 psi	TENSILE STRENGTH (ASTM D412)	200 - 250 psi	TENSILE STRENGTH (ASTM D412)	400 - 500 psi	TENSILE STRENGTH (ASTM D412)	200 - 250 psi	TENSILE STRENGTH (ASTM D412)	200 psi	TENSILE STRENGTH (ASTM D412)	200 - 250 psi	TENSILE STRENGTH (ASTM D412)	200 psi
ELONGATION (ASTM D412)	500 - 650% Type I/Class 35 800 - 1,000% Type II/Class 50	ELONGATION (ASTM D412)	500 - 650% Type I/Class 35 800 - 1,000% Type II/Class 50	ELONGATION (ASTM D412)	400 - 650%	ELONGATION (ASTM D412)	300 - 600%	ELONGATION (ASTM D412)	400 - 450%	ELONGATION (ASTM D412)	400 - 500%	ELONGATION (ASTM D412)	350 - 425%	ELONGATION (ASTM D412)	250%	ELONGATION (ASTM D412)	400 - 450%	ELONGATION (ASTM D412)	300%
TEAR RESISTANCE (ASTM D624)	30 - 35 pli	TEAR RESISTANCE (ASTM D624)	30 - 35 pli	TEAR RESISTANCE (ASTM D624)	30 - 35 pli	TEAR RESISTANCE (ASTM D624)	-	TEAR RESISTANCE (ASTM D624)	20 - 25 pli	TEAR RESISTANCE (ASTM D624)	30 - 35 pli	TEAR RESISTANCE (ASTM D624)	-	TEAR RESISTANCE (ASTM D624)	-	TEAR RESISTANCE (ASTM D624)	20 - 25 pli	TEAR RESISTANCE (ASTM D624)	-
SHORE HARDNESS ASTM D2240	20 +/- 5 Type I/Class 35 25 +/- 5 Type II/Class 50	SHORE HARDNESS ASTM D2240	20 +/- 5 Type I/Class 35 25 +/- 5 Type II/Class 50	SHORE HARDNESS ASTM D2240	25 +/- 5	SHORE HARDNESS ASTM D2240	20 minimum	SHORE HARDNESS ASTM D2240	20 +/- 5	SHORE HARDNESS ASTM D2240	40 +/- 5	SHORE HARDNESS ASTM D2240	32	SHORE HARDNESS ASTM D2240	20 +/- 5	SHORE HARDNESS ASTM D2240	20 +/- 5	SHORE HARDNESS ASTM D2240	40 +/- 5
SERVICE TEMPERATURE	-40°F to 400°F (-40°C to 204°C)	SERVICE TEMPERATURE	-40°F to 400°F (-40°C to 204°C)	SERVICE TEMPERATURE	-40°F to 400°F (-40°C to 204°C)	SERVICE TEMPERATURE	-40°F to 400°F (-40°C to 204°C)	SERVICE TEMPERATURE	-40°F to 400°F (-40°C to 204°C)	SERVICE TEMPERATURE	-40°F to 400°F (-40°C to 204°C)	SERVICE TEMPERATURE	-40°F to 400°F (-40°C to 204°C)	SERVICE TEMPERATURE	-40°F to 400°F (-40°C to 204°C)	SERVICE TEMPERATURE	-40°F to 400°F (-40°C to 204°C)	SERVICE TEMPERATURE	-30°F to 200°F (-34°C to 93°C)
APPLICATION TEMPERATURE	-20°F to 160°F (-29°C to 71°C)	APPLICATION TEMPERATURE	-20°F to 160°F (-29°C to 71°C)	APPLICATION TEMPERATURE	-20°F to 160°F (-29°C to 71°C)	APPLICATION TEMPERATURE	-20°F to 160°F (-29°C to 71°C)	APPLICATION TEMPERATURE	-20°F to 160°F (-29°C to 71°C)	APPLICATION TEMPERATURE	-20°F to 160°F (-29°C to 71°C)	APPLICATION TEMPERATURE	-20°F to 160°F (-29°C to 71°C)	APPLICATION TEMPERATURE	-20°F to 160°F (-29°C to 71°C)	APPLICATION TEMPERATURE	-20°F to 160°F (-29°C to 71°C)	APPLICATION TEMPERATURE	-10°F to 160°F (-23°C to 71°C)
AAMA SPECIFICATIONS	803.3 (I) 805.2 Group C 808.3	AAMA SPECIFICATIONS	803.3 (I) 805.2 Group C 808.3	AAMA SPECIFICATIONS	802.3 (II) 803.3 (I) 805.2 Group C	AAMA SPECIFICATIONS	802.3 805.2 Group C 808.3 (I)	AAMA SPECIFICATIONS	802.3 805.2 808.3	AAMA SPECIFICATIONS	803.3 (I) 808.3	AAMA SPECIFICATIONS	802.3-92 (II) 805.2-95 Group C	AAMA SPECIFICATIONS	803.3 (II)	AAMA SPECIFICATIONS	803.3 (I)	AAMA SPECIFICATIONS	802.3 (II) 803.3 (I) 805.2 C 808.3

We're ready to talk when you are.

If you have any questions about our silicone sealants, or any manufacturing challenges you're not sure are being met by what you see here, please call us right now. You'll find the only thing that can surpass the performance of our quality products is the performance of our quality people.

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If you're like most high-quality window and door manufacturers, your drive to produce great windows and doors people will be proud to own is always pitted against your reality of needing to do so in ever more efficient, effective ways.

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We put together the right mix of silicone by putting together the right mix of people.

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So that new window or door you want to realize will always end up the same way:

Coming successfully off the end of your manufacturing line.

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Making it happen.

