



Joint Sealant For Highways, Pavement, and Parking Decks

NovaFlex Joint Sealant is a non-corrosive, single-component, oxime-cured silicone sealant and/or adhesive. This ultra-low modulus joint sealant is designed for sealing joints in traffic bearing concrete or asphalt pavement and parking decks, including transverse contraction and expansion joints, longitudinal, centerline, and shoulder joints, as well as parking deck/garage expansion and control joints.



- Highways, pavement, and parking decks
- Ultra low modulus resulting in high movement capability
- Convenient single-component neutral curing
- Primerless adhesion to concrete and asphalt
- Class +100/-50
- VOC Compliant

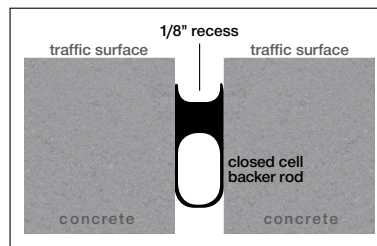


NovaFlex Joint Sealant a single-component, high-solid, low-odor material which cures to an ultra-low modulus, flexible, durable rubber-like solid. It will develop primerless adhesion to most concrete, metal, and asphalt substrates. The neutral cure is compatible with most materials.

Recommended for Sealing: Joints in traffic bearing concrete or asphalt pavement and parking decks. Also includes transverse contraction and expansion joints, longitudinal, centerline, and shoulder joints.

Adheres to: Asphalt, concrete, and metal

Not Recommended For: Surfaces that are to be painted or joints continuously submerged under water. Install product recessed 1/8" from traffic.



Sealant Coverage/Recess Guidelines

Joint Width (inches)	Sealant Depth (inches)	Recess (inches)	Backer Rod Diameter (inches)	Minimum Joint Depth (inches)	Linear ft./gal.	Linear ft./gal. 20 oz sausage
1/4	1/4	1/8	3/8	3/4	308	48
3/8	1/4	1/8	1/2	7/8	205	32
1/2	1/4	1/8	5/8	1 1/4	154	24
3/4	3/8	1/4	7/8	1 1/4	68	10
1.0	1/2	1/4	1 1/4	2	38	6



Made in USA. Professional Grade.



Joint Sealant

For Highways, Pavement, and Parking Decks

Product Specifications

Physical Property	Test Method	Performance Range
Appearance		Pavement Gray Paste
Viscosity	Brookfield #7 @ 10 rpm	4500 – 8000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	30 – 80 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	30 - 40 minutes

Typical Properties*

Physical Property	Test Method	Typical Value Class +100/-50
Specific Gravity		1.15 – 1.25
Tensile Strength	ASTM D412	170 – 220 psi
Elongation	ASTM D412	1400%
Tear Resistance	ASTM D624	30 – 35 pli
Shore Hardness	ASTM D2240	14 +/- 5
Through Cure	3/8" @ 50% RH & 77°F	7 days
Service Temperature		-40°F to 400°F (-40°C to 205°C)
Adhesion (@600% Elongation)		
Asphalt	ASTM D903	70 psi
Concrete		70 psi
Metal		70 psi
Joint Sealant Designation	ASTM C920	Type S Grade NS Class +100/-50

*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 information.

Packaging Information: NovaFlex Joint Sealant is available in 20 ounce sausage packs, 1 gallon pails, and 5 gallon pails.

Specifications: Meets or exceeds the performance of characteristics of ASTM C-920, TT-S-001543, and TT-S-230C, Type S, Grade NS, Use T, T2, M, O, ASTM D5893 Type NS.

Disposal: Consult and obey all applicable local, state, and federal regulations. For additional information, consult product Safety Data Sheet.

Precautions

Do not use in or around highly oxidative chemicals such as liquid oxygen, chlorine, or peroxides. Not recommended for surfaces that are to be painted. Do not use with concrete that has not cured for at least 7 days.

WARRANTY: Novagard warrants its NovaFlex Joint Sealant for Highways, Pavement, and Parking Decks to be free of defects for a period of 10 years from date of installation. Under this warranty, we will provide no charge replacement materials for any product proven to be defective when used in accordance with our published recommendations. This warranty is in lieu of any and all other warranties, expressed or implied, and in no case will Novagard be liable for incidental or consequential damages.

Professional Grade

Made with pride in Cleveland, Ohio

TECHNICAL INFORMATION

Appearance: Pavement Gray Paste

Application Temperature: 40°F to 120°F (49°C)

Adhesion: Excellent

Consistency: Non-sag

Durability: +100/-50 joint movement

Flexibility: Very good, to -40°F

Water Resistance: Very good

Exterior Weathering: Excellent

Aging: Excellent

Service Temperature: -40°F to 400°F
(-40°C to 205°C)

Freeze-Thaw Stable: Will not freeze

Odor: Low odor (less than 50 g/l)
(<4% by weight)
VOC compliant in all 50 states

Skin Time: 30 - 40 minutes
(77°F/50% relative humidity)

Cure Through Time: 7 days for 3/8" section
(77°F/50% relative humidity)



Sealants | Foams | Coatings | Thermals

5109 Hamilton Avenue
Cleveland, OH 44114 USA
(216) 881-8111 | (800) 380-0138
(216) 881-6977 fax
novagard.com

ISO 9001:2015, IATF 16949:2016