

NOVAFLEX SILICONE

Joint Sealant For Highways, Pavement, and Parking Decks



- 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

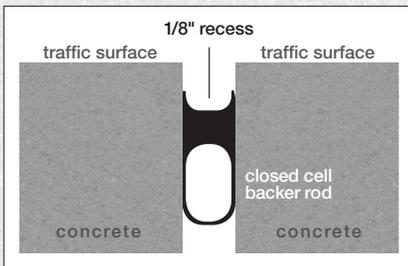


NovaFlex Joint Sealant a single-component, high-solid, low-odor material which cures to an ultra-low modulus, flexible, durable rubber-like solid. It will develop primerless adhesion to most concrete, metal, and asphalt substrates. The neutral cure is compatible with most materials.

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

TECHNICAL INFORMATION

Appearance: Pavement Gray Paste

Application Temperature:
-20°F to 160°F (-29°C to 71°C)

Service Temperature:
-40°F to 400°F (-40°C to 204°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

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)

PRODUCT SPECIFICATIONS

| Physical Property | Test Method | Performance Range |
|-------------------|------------------------|----------------------|
| Appearance | | Pavement Gray Paste |
| Viscosity | Brookfield #7 @ 10 rpm | 4,500 - 8,000 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 204°C) |
| Adhesion (@600% Elongation) Asphalt Concrete Metal | ASTM D903 | 70 psi 70 psi 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 info.

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



SILICONE | HYBRIDS | FOAM

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ISO 9001:2015 QMS (with Design) | IATF 16949:2016 QMS (with Design)
Certified Women's Business Enterprise | Certified Woman Owned Small Business

Effective Date: Mar 2021-v1.6

Proudly made in Cleveland, Ohio