

NovaFlex® MXJ Joint Sealant

for Highways, Pavement, and Parking Decks

Specification Data



DESCRIPTION

NovaFlex Joint Sealant is a non-corrosive, single-component, oxime-cured silicone sealant and/or adhesive.

APPLICATIONS

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. NovaFlex Joint Sealant is also perfect for joining pool coping to the surrounding stone, tile, or concrete pad/patio/deck. NovaFlex Joint Sealant is a single-component, high-solid, low-odor material, which cures to an ultra-low modulus, flexible, durable rubber-like solid. NovaFlex Joint Sealant will develop primerless adhesion to most concrete, metal, and aged asphalt substrates, and the neutral cure is compatible with most materials.

STANDARDS

Meets or exceeds the performance of characteristics of ASTM C-920, TT-S-001543, and TT-S-230C, Class 100, Type S, Grade NS, Use T, T2, M, O, ASTM D5893 Type NS.

INSTALLATION

As with all single-component materials, the work life and cure times of NovaFlex Joint Sealant are dependent upon environmental conditions such as temperature, humidity, and application thickness. Adhesion should be checked on small samples prior to full-scale production. The substrate should be dry and clean of dirt, debris, or oil prior to application.

AVAILABILITY

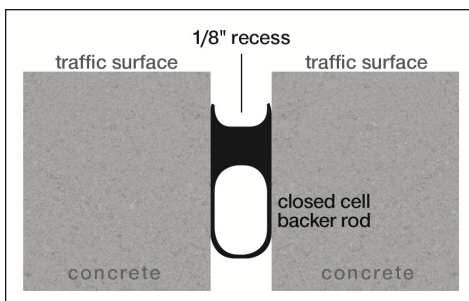
NovaFlex Joint Sealant is available in 20-ounce sausage packs, 1-gallon pails, and 5-gallon pails.

STORAGE

NovaFlex Joint Sealant has a shelf life of eighteen (18) months from the date of manufacture when stored in the original, unopened container at, or below, 75°F (24°C).

LIMITATIONS

Not recommended for surfaces that are to be painted. Not recommended for joints to be continuously submerged under water. Install product recessed 1/8" from traffic.



PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range Class +100/-50
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	1,400%
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 the manufacturer for additional information.

PRECAUTIONS

Consult and obey all applicable local, state, and federal regulations for the disposal of solvent and silicone waste. For additional information consult product S.D.S. Not recommended for surfaces that are to be painted.

WARRANTY

Novagard warrants its NovaFlex Joint Sealant for Highways, Pavement, and Parking Decks to be free of defects for 10 years from the date of installation. Under this warranty, we will provide no charge for 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.

ADDITIONAL INFORMATION

Novagard believes that the information provided is a true and accurate description of the typical characteristics of the aforementioned product; however, it is the responsibility of the individual user to thoroughly test the product in their specific application to determine performance, efficacy, and safety.