NovaFlex® Multi-Purpose Adhesive Sealant Specification Data



DESCRIPTION

NovaFlex Multi-Purpose Adhesive Sealant is a noncorrosive, single-component, oxime-cured silicone sealant and/or adhesive.

APPLICATIONS

This product is a general-purpose compound, which is used most frequently within the window and door manufacturing industry as glazing or structural backbedding. NovaFlex Multi-Purpose Adhesive Sealant is a single-component, high-solid, low-odor material, which cures to a medium modulus, flexible, durable rubber-like solid. NovaFlex Multi-Purpose Adhesive Sealant will develop primerless adhesion to most common construction substrates, and the neutral cure is compatible with most materials.

STANDARDS

Meets or exceeds the performance of characteristics of ASTM C-920, TT-S-001543A, and TT-S-230C. AAMA 803.3 (I), 805.2 C, 808.3.

VOC CONTENT

NovaFlex Multi-Purpose Adhesive Sealant (Type I, Unfilled) has typical VOC Content of 32 g/l (3.16%). NovaFlex Multi-Purpose Adhesive Sealant (Type II, Filled) has typical VOC Content of 27g/l (2.24%). 50-state VOC Compliant (<4%).

INSTALLATION

As with all single component materials, work life and cure times of NovaFlex Multi-Purpose Adhesive Sealant is dependent upon environmental conditions such as temperature, humidity, and application thickness. Adhesion should be checked on small samples prior to full-scale production.

AVAILABILITY

NovaFlex Multi-Purpose Adhesive Sealant is available in 10 ounce cartridges, 20 ounce sausage packs, 5 gallon pails, and 55 gallon drums.

STORAGE

NovaFlex Multi-Purpose Adhesive 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.

PRECAUTIONS

Consult and obey all applicable local, state and federal regulations for disposal of solvent and silicone waste. For additional information consult product SDS.

LIMITATIONS

Effective Date: 12/1/2023

Not recommended for surfaces that are to be painted. Not recommended for joints continuously submerged under water. Do not install if surface temperature is below 0°F or exceeds 120°F.

PRODUCT SPECIFICATIONS

TROBOOT OF EOIL IOATHORS						
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*

I FFICAL 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 Elongation Tear Resistance	ASTM D412	140 – 200 psi	170 – 220 psi 800 – 1000% 30 – 35 pli 25 +/- 5				
	ASTM D412	500 – 650%					
	ASTM D624	30 – 35 pli					
Shore Hardness	ASTM D2240	20 +/- 5					
Service Temperature		-40°F to 400°F (-40°C to 204°C)	-40°F to 400°F (-40°C to 204C)				
Joint Sealant Designation	ASTM C920	Type S Grade NS Class 35, see pg. 2 Use NT, M, G, A, O	Type S Grade NS Class 50, see pg. 2 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 information.

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.

Document Name: TDS - NovaFlex MX Multi-Purpose Sealant - All Colors v1.9

NovaFlex® Multi-Purpose Adhesive Sealant Specification Data



TYPE LISTING

MX129 MX100 MX173 MX324 MX3546 MX137 MX101 MX174 MX329 MX3478 MX150 MX104 MX178 MX3343 MX3548 MX151 MX105 MX181 MX3344 MX3561 MX157 MX107 MX181 MX3344 MX3561 MX157 MX107 MX191 MX3350 MX3585 MX162 MX110 MX194 MX3380 MX3585 MX164 MX111 MX197 MX3805 MX3627 MX166 MX114 MX198 MX3405 MX3627 MX170 MX115 MX198 MX3405 MX3800 MX176 MX117 MX3004 MX3407 MX3706 MX177 MX117 MX3004 MX3407 MX3706 MX177 MX121 MX3003 MX3407 MX3706 MX177 MX122 MX3030 MX3410 MX3708 MX182 MX122 MX3203 MX3412 MX3703	TYPE I - UNFILLED CLASS 35	TYPE II - FILLED CLASS 50			
MX137 MX101 MX174 MX3329 MX3547 MX150 MX104 MX178 MX3333 MX3548 MX3561 MX161 MX105 MX181 MX3344 MX3561 MX151 MX105 MX181 MX3344 MX3561 MX154 MX106 MX183 MX3345 MX3565 MX157 MX107 MX191 MX3350 MX3585 MX162 MX110 MX194 MX3380 MX3985 MX166 MX111 MX197 MX3385 MX3627 MX166 MX114 MX198 MX3405 MX3680 MX170 MX115 MX199 MX3405 MX3680 MX170 MX115 MX199 MX3405 MX3705 MX176 MX117 MX3004 MX3407 MX3705 MX176 MX1179 MX120 MX300 MX3407 MX3705 MX178 MX162 MX120 MX300 MX3409 MX3706 MX1779 MX121 MX2033 MX3410 MX3709 MX180 MX182 MX128 MX206 MX3420 MX3723 MX182 MX184 MX128 MX206 MX3420 MX3725 MX185 MX186 MX130 MX211 MX220 MX3723 MX185 MX186 MX130 MX211 MX220 MX3723 MX185 MX186 MX130 MX2217 MX3429 MX3725 MX185 MX186 MX130 MX2217 MX3429 MX3763 MX187 M	MX129	MX100	MX173	MX3324	MX3546
MX150					MX3547
MX151 MX105 MX181 MX3344 MX3551 MX154 MX106 MX183 MX3345 MX3565 MX157 MX107 MX191 MX330 MX3585 MX162 MX110 MX194 MX3380 MX3595 MX164 MX111 MX197 MX3385 MX3695 MX166 MX114 MX198 MX3405 MX3680 MX170 MX115 MX199 MX3406 MX3702 MX175 MX117 MX3004 MX3407 MX3702 MX176 MX117 MX3004 MX3409 MX3706 MX1770 MX1112 MX3003 MX3409 MX3706 MX1770 MX112 MX3003 MX3409 MX3706 MX1779 MX121 MX3203 MX3410 MX3709 MX180 MX122 MX3203 MX3410 MX3709 MX18182 MX123 MX3206 MX3420 MX3723 MX186 MX182 MX123 MX3206 MX3420 MX3723 MX186 MX187 MX187 MX364 MX3211 MX3425 MX3725 MX185 MX186 MX130 MX3217 MX3425 MX3725 MX186 MX130 MX3217 MX3429 MX3739 MX187 MX131 MX3230 MX345 MX3767 MX189 MX181 MX3230 MX345 MX3767 MX193 MX181 MX3230 MX345 MX3767 MX193 MX183 MX3244 MX3444 MX3766 MX196 MX135 MX3234 MX3440 MX3770 MX196 MX135 MX3244 MX3445 MX3767 MX198 MX188 MX3244 MX3446 MX3770 MX196 MX135 MX3244 MX3445 MX3770 MX196 MX136 MX325 MX3444 MX3770 MX197 MX188 MX3244 MX3446 MX3801 MX3205 MX188 MX3244 MX3446 MX3801 MX3205 MX134 MX3233 MX3449 MX3770 MX196 MX135 MX3244 MX3445 MX3447 MX3770 MX196 MX136 MX365 MX360 MX345 MX360 MX140 MX3253 MX3449 MX3819 MX3844 MX140 MX3266 MX3455 MX3801 MX3205 MX144 MX3266 MX3455 MX3821 MX3804 MX141 MX3266 MX3456 MX3801 MX1403 MX345 MX3281 MX3445 MX3821 MX3804 MX141 MX3266 MX365 MX3801 MX148 MX3301 MX3502 MX3931 MX148 MX3301 MX3505 MX3611 MX3801 MX167 MX368 MX3501 MX3505 MX189 MX365 MX3651 MX368 MX365 MX3651 MX169 MX169				MX3333	MX3548
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MX3205 MX138 MX3244 MX3446 MX3807 MX3250 MX139 MX3245 MX3447 MX3818 MX3844 MX140 MX3253 MX3449 MX3819 MX3880 MX141 MX3260 MX3455 MX3821 MX3904 MX142 MX3265 MX3461 MX3823 MX3907 MX143 MX3269 MX3465 MX3827 MX3910 MX144 MX3277 MX3473 MX3839 MX4103 MX145 MX3280 MX3475 MX3912 MX146 MX3281 MX3480 MX3931 MX147 MX3285 MX3501 MX3933 MX148 MX3301 MX3502 MX3933 MX149 MX3301 MX3505 MX3505 MX159 MX3315 MX3501 MX3514 MX161 MX3322 MX3515 MX3515 MX163 MX3528 MX3535 MX3540	MX195	MX134		MX3444	MX3796
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