

NEXO-FLEX™

NCS-450 | NEUTRAL CURE SILICONE SEALANT

INDUSTRIAL • CONSTRUCTION • HVAC/R • KITCHEN & BATH • PLUMBING

TECHNICAL DATA SHEET

NexoFlex NCS 450 is a one component, non-sag, permanently flexible neutral cure silicone sealant designed to adhere to a wide variety of substrates including vinyl, glass, aluminum, sheet metal, wood, as well as many other building materials without the need for a primer.

NexoFlex NCS 450 cures rapidly using atmospheric moisture to form a durable tight bond. This product is specifically formulated to offer all weather performance to meet today's green building requirements.

When **NexoFlex NCS 450** is fully cured, it remains flexible and is often preferred by users because it does not leave the odors like that of other silicones.

FEATURES

- ✓ Excellent Adhesion to a Variety of Substrates
- ✓ Window & Door Approved
- ✓ Excellent UV Resistance
- ✓ Non Paintable
- ✓ Eco-friendly
- ✓ UL Recognized
- ✓ Non-Corrosive
- ✓ Low Odor
- ✓ VOC Compliant
- ✓ Permanent Flexibility
- ✓ **COLORS:** This product is available in several standard colors



Verified
Component

DIRECTIONS FOR USE

Read and understand technical data sheet completely before beginning installation. Always do a test area to ensure product satisfaction and to become familiar with proper application techniques.

Surface Preparation: The substrate must be clean, dry, frost free and free of any oils, greases or incompatible sealers that may interfere with adhesion. Do not apply if surface is contaminated.

Storage/Shelf Life: Be sure to rotate inventory accordingly. Materials must be properly stored in a low humidity (<50% RH) environment at room temperature in their unopened container. Cartridges/Sausages, use within 12 months from date of manufacture. Pails/Drums, use within 8 months from date of manufacture.

CHEMICAL & PHYSICAL PROPERTIES

Skin Time	Internal Method	< 15 minutes @ 70°F / 50% RH
Tack Free Time	Internal Method	< 30 minutes @ 70°F / 50% RH
Cure Rate	Internal Method	1/4" Bead in 48 Hours
VOC	EPA Method 24	< 29 g/L, less water exempt solvents
100% Modulus of Elasticity	ASTM D412	40 - 80 psi
Hardness (Shore A)	ASTM C661	20 ± 5
Movement Capacity	ASTM C719	± 35%
Tensile Strength	ASTM D412	180 - 200 psi
Staining	ASTM D2203	None
Sag/Slump	ASTM D2202	Minimal; < 0.2"
UV Rating	ASTM G154	No discoloration after 2500 hours
Service Temperature	Internal Method	-40 - 350°F



Caliber Supply, LLC
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TECHNICAL DATA SHEET [PAGE 2]

APPROXIMATE* LINEAR FEET/COVERAGE

PER 10.1 FL. OZ. CARTRIDGE

		WIDTH							
DEPTH		1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
	1/8"	99	49	33	24	20	16	14	12
	1/4"		24	20	12	10	8	7	6
	3/8"			11	8	6	5	5	4
	1/2"				6	5	4	3	3

*All values are approximations based upon industry information and can vary dramatically due to joint dimensions/ configurations, porosity, texture of substrates, irregularities, installation techniques, waste, etc. that are beyond Caliber Supply's control. Caliber Supply is not liable for variances to linear feet/ coverage; do a test area to determine material required to use.

LIMITED LIFETIME WARRANTY

This product is guaranteed to give satisfactory performance if applied in accordance with the label directions. Liability to Caliber Supply, LLC (Caliber) is limited to a full refund of the purchase price or product replacement if product is proven defective. Caliber shall not be liable for loss or damage, whether direct, consequential or incidental. There are no other warranties expressed or implied including the implied warranty of merchantability or fitness for a particular purpose. Caliber Supply specifically disclaims and makes no warranties, express or implied, about this product, its merchantability, or its fitness for a particular purpose. All recommendations, directions, and suggestions for its use are consistent with our testing and research for a variety of applications, but no promises, guarantees, or warranties are being made with regard to its use, whether or not consistent with the directions, or its effectiveness for any given application. Users of this product should do so in compliance with all applicable laws and regulations. User of this product should conduct its own field test, to assure results.



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