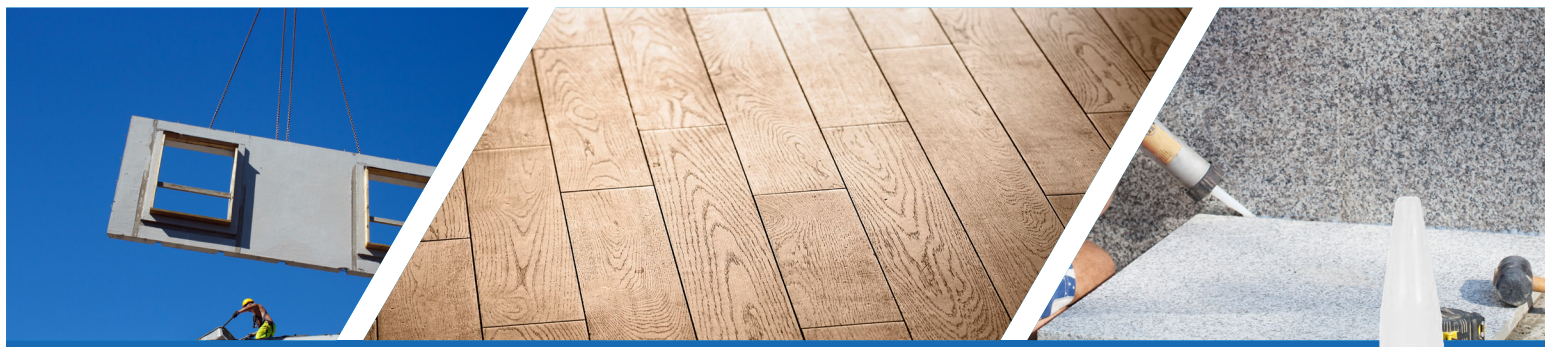


NuFlex® 435 FLEXIBLE WATERTIGHT HYBRID ADHESIVE



NuFlex® 435 Hybrid Adhesive is a flexible and watertight hybrid adhesive. It can be used for both interior and exterior applications as it is non-corrosive, low VOC, and resistant to weathering and UV. NuFlex® 435 has strong adhesion to wood, metal, brick, stone, plastics, vinyl, mirror backing, and much more.

■ FEATURES & TYPICAL USES:

Features:

- Excellent adhesion to a wide range of substrates
- High initial tack
- Remains permanently flexible
- Interior & exterior use
- Non-solvent based
- Non-corrosive
- Excellent resistance to weathering and UV
- Bonds to EPS and XPS foam without damage
- Shock, vibration, and impact resistant
- Low VOC / no odour
- Resistant to mold and mildew when fully cured

Bonds To:

- Cove bases
- Cementitious board
- Flooring
- Stair treads & nosings
- Wood (including treated wood)
- Plastics, including PVC and Vinyl
- Metals (including galvanized steel)
- EPS and XPS foam
- Most roofing substrates
- Tile, Stone, Concrete & Brick, and other mineral based substrates
- Mirrors & glass

Basic uses include:

1. Creating a strong, flexible, watertight bond
2. Adhering cementitious substrates where flexibility is valued
3. Large panel bonding such as: cultured marble slabs, waterproof building boards for showers, etc.
4. Glue down hardwood flooring applications
5. Adhering stone, and brick veneers

■ SURFACE PREPARATION & APPLICATION:

Before Use: Read the label in its entirety.

Surface Preparation:

- Surfaces must be structurally sound, clean, dry, and free from oil, grease, water, dirt, or any other material and membranes that may deter adhesion.
- Adhesive thickness will increase at low temperatures.
- Rinse all surfaces [excluding plastics] with acetone.
- Rubber surfaces should be roughened with sandpaper, then wiped with acetone.
- Priming is not required

Application:

1. Cut nozzle to desired bead size and cut inner seal.
2. Using a caulking gun, apply NuFlex® 435 to the bare surface of one of the substrates to be bonded.
3. If applicable, use mechanical support to hold materials in place until adhesive is fully cured

Cure:

- Cure time is affected by humidity, degree of confinement, and cross-sectional thickness of the adhesive.
- Sections up to 3.2 mm (1/8") thick become rubbery solids in 24 hours at 25°C (77°F) at 50% relative humidity.
- There is approx. 60 minutes working time.

Clean-up:

1. Uncured NuFlex® 435 Adhesive cannot be removed with water.
2. Remove the bulk of the uncured adhesive with a plastic scraper, being careful not to compress it into cracks or crevices.
3. Use a cloth saturated with mineral spirits, acetone, or denatured alcohol to wipe away any remaining sealant.
4. Clean surface with soap and water if possible.
5. Note: Glass surfaces are much more challenging to remove uncured adhesive from.



NuFlex
SEALANTS

NuFlex® 435 FLEXIBLE WATERTIGHT HYBRID ADHESIVE

TYPICAL PROPERTIES:

These values are not intended for use in preparing specifications. Spec Writers; please contact NUCO Inc. before writing specifications if any further information is required.

Description	Specification
As Supplied...	
Type:	One part hybrid polymer
Cure method:	Moisture cure
ASTM C 1183 - Extrusion rate mL/minute:	1540 - 1550
Application temperature range (°C (°F)):	-6° to 40°C (21° to 104°F)
ASTM C 679 - Time: working (23°C (73°F) and 50% RH:	60 minutes
ASTM C 679 - Time: full cure: ½"x ¼" bead (23°C (73°F), 50% RH:	7 days

As Cured - Physical - after 14 days at 25°C (77°F) and 50% relative humidity...

Service Temperature Range °C (°F):	-40° to 85° (-40° to 185°)	
ASTM D 412 Die C - Tensile Strength, MPa (psi):	1.86 (270)	
ASTM D 412 Die C - Modulus at 100% elongation, MPa	0.55 (80)	
ASTM D 412 Die C - Elongation at break, percent:	400%	
ASTM C 719 - Joint movement capability:	PASS - ± 35% movement	
ASTM C 794 - Adhesion* in peel, pli (kg/cm) (min. 5 pli [0.89 kg/cm]):	Aluminium:	26.0 (4.64)
	Glass:	27.0 (4.82)
	Concrete:	26.0 (4.64)
ASTM C 794 - Adhesion* in peel, pli (kg/cm), after UV radiation through glass, (min. 5 pli [0.89 kg/cm]):	22.0 (3.93)	
ASTM C 1246 - Weight Loss, after heat aging:	≤1%	
ASTM C 1246 - Cracking and chalking, after heat aging:	None	

Disclosure: The information and data contained herein is BASED ON INFORMATION WE BELIEVE TO BE RELIABLE. Please read all statements, recommendations or suggestions herein in conjunction with our CONDITIONS OF SALE which apply to all goods supplied by us. We assume no responsibility for the use of these statements, recommendations or suggestions, nor do we intend them as recommendation for any use which would infringe any patent or copyright.

LIMITATIONS:

- 435 is a non-priming adhesive, but special circumstances may require a primer
- Do not use below grade
- Uncured adhesive may permanently leave residue on glass, even if removed

STORAGE AND SHELF LIFE:

- Shelf life is 12 months from the date of manufacture when stored in a clean, dry area.
- Store between 4° to 32°C (40° to 90°F).
- For best results, store the in tightly closed containers when not in use.

CAUTION:

- Use in well ventilated areas and avoid breathing vapours.
- On contact, uncured sealant irritates eyes. Flush eyes with lukewarm water. Call physician.
- Avoid skin contact and DO NOT ingest.
- Consult Safety Data Sheet.

MANUFACTURER INFORMATION:

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Guelph, ON N1K 1N5 F: 519-823-1099

TF: 1-800-853-3984
E: sales@nucoinc.com

SPECIFICATIONS:

NuFlex 435 Hybrid Adhesive meets:

- ASTM C 920, Type S, Grade NS, Class 35, Use NT, M, A, and O**
- South Coast AQMD Rule 1168

*Concrete was primed for water immersion as indicated in ASTM C 920. Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

LIMITED WARRANTY INFO:

NUCO Inc., warrants only that its product will meet its specifications. NUCO shall in no event be liable for incidental or consequential damage. NUCO's liability, expressed or implied is limited to the stated selling price of any goods found to be defective.

AVAILABLE SIZES:

SKU	Size	Format
43500	296 mL	Cartridge
43550	591 mL	Sausage