

NuFlex® 630 TRIPOLYMER SPECIALTY SEALANT



NuFlex® 630 Tripolymer Specialty Sealant is a high performance, single component sealant made from a special blend of polymers. It is commonly used for exterior applications in transportation and metal building industries. These industries include truck-&-trailer, manufactured housing, metal buildings, recreational vehicles, marine, etc.

■ FEATURES & TYPICAL USES:

Features:

- Paintable
- Adheres to most substrates
- Advanced solvent release technology
- Superior ultraviolet resistance
- Short tack time (minimal dirt pickup)
- Cures in all weather
- Non-cracking during cure

Bonds To:

- Steel
- Aluminium
- Most exterior trims
- Wood
- Vinyl
- Glass
- Mortar

Basic uses include:

1. Exterior weather proofing
2. Sealing around doors, window frames, vents, trim, moldings, seams, light fixtures, etc.

Other uses include:

1. Solar roof systems
2. Weatherproofing metal lap joints

■ 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.
- Rinse all surfaces [excluding plastics] with acetone.
- Rubber surfaces should be roughened with sandpaper, then wiped with acetone.
- Should your gap exceed 6 mm (~1/4"), use a backer rod prior to applying sealant.

Application:

1. Cut nozzle to desired bead size and cut inner seal.
2. Using a caulking gun, dispense a bead of sealant to the prepared surfaces in a uniform thickness. 630 Tripolymer sealant is supplied ready-to-use.
3. Smooth and tool bead immediately following installation.
4. If painting: paint with a high quality paint when sealant is dry to the touch (10 - 60 minutes)
5. Allow sealant time to cure in an unconfined area.

Cure:

- Cure time is affected by humidity, degree of confinement, and cross-sectional thickness of the sealant.
- Sections up to 3.2 mm (1/8") thick become rubbery solids in 24 hours at 25°C (77°F) at 50% relative humidity.
- In applications where NuFlex® 630 may be partially or totally confined during cure, the time required for proper cure is generally lengthened by the degree of confinement. Every application involving confinement should be thoroughly tested before production procures.
- Curing time increases with the thickness of the sealant. A 12.7 mm (1/2") cross section for example, may require 3 days for complete cure. However, the cure will have penetrated the outer 3.2 mm (1/8") in about 24 hours.

Clean-up:

1. Uncured NuFlex® 630 sealant cannot be removed with water.
2. Remove the bulk of the uncured sealant 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 silicone.
4. Clean surface with soap and water if possible.



NuFlex
SEALANTS

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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 tripolymer sealant
Cure method:	Solvent release
Viscosity (Brookfield RVT-F): Spindle Helipath Stand (100 sec. 77°F):	800 M cps
ASTM C 603-90 - Extrusion	2 sec.
Application temperature range (°C (°F)):	4° to 60°C (40° to 140°F)
Tack free time (25°C (77°F)) and 50% relative humidity:	10 minutes
Skin time (25°C (77°F)) and 50% relative humidity:	2 hours
Cure time 1/4" bead (25°C (77°F)) and 50% relative humidity:	3 days
As Cured - Physical	
Percent solids	60%
ASTM C 719 - Cyclic Movement	+25%
ASTM D 412 Die C - Tensile Strength, MPa (psi):	0.69 (100)
ASTM D 412 Die C - Elongation at break, percent:	200%
Adhesion: Aluminium	10 pli
Adhesion: Mortar	12 pli
Adhesion: Glass	17 pli
Adhesion: Wood	17 pli
Adhesion: Vinyl	12 pli
ASTM C 1299 - Service temperature range:	-40° to 82°C (-60° to 180°F)

LIMITED WARRANTY INFO:

NUCO Inc., warrants only that its product will meet its specifications for a period of 12 months following date of manufacture. NUCO shall in no event be liable for incidental or consequential damage, or improper storage. NUCO's liability, expressed or implied is limited to the stated selling price of any goods found to be defective.

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:

- Do not use on cured or uncured foam products
- Cannot be applied in unventilated areas

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 sealant in tightly closed containers when not in use.

CAUTION:

- Only use outdoors or in well ventilated areas and avoid breathing vapours.
- On contact, uncured sealant irritates eyes and skin. Flush eyes with lukewarm water. Call physician.
- Wash hands and skin thoroughly after handling.
- Wear gloves when handling sealant.
- Avoid skin contact and DO NOT ingest.
- Consult Safety Data Sheet.

MANUFACTURER INFORMATION:

NUCO Inc. 150 Curtis Drive T: 519-823-4994
Guelph, ON N1K 1N5 F: 519-823-1099

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

AVAILABLE SIZES & COLOURS:

SKU	Colour	Size	Format
63000	Clear	300 ml	Cartridge