

640 Thermoplastic Sealant



SPECIALTY SEALANTS TECHNICAL DATA SHEET

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NuFlex® 640 Thermoplastic is a one part, co polymer, high performance sealant. The cured sealant exhibits good physical properties including excellent adhesion to a variety of construction materials including marine surfaces. It possesses rubber-like characteristics and can be compressed or extended. **NuFlex® 640** is also non-staining and is used in the construction field for sealing and adhesive applications. **NuFlex® 640** Thermoplastic is available in a non-sag consistency for application by caulking gun, in both vertical and horizontal joints.

FEATURES & TYPICAL USES:

NuFlex® 640 Thermoplastic Sealant can be used for face bedding and cap bead in glazing applications and sealing mitre joints in windows. It is also ideal for use when installing gutters, eaves troughs, flashings and siding. Typical uses also include windows and door caps, fascia, F-channel, J-trim, crown molding, perimeter seals, truck trailers, bus bodies, modular home, and recreational vehicles. **NuFlex® 640** Thermoplastic Sealant has exceptional adhesion to vinyl, glass, aluminum, brick (unprimed), concrete (unprimed), metal, and wood. **NuFlex® 640** does not contain any silicone and can be painted with quality water and solvent based paints after 4 hours.

SURFACE PREPARATION & APPLICATION:

Working Surfaces: Surfaces to be bonded should be clean, dry, and free from oil, grease, moisture, dirt, corrosion, or any other material that may deter adhesion. Apply NuFlex® 640 in the joint from bottom up, filling completely and avoiding entrapped air.

NuFlex® 640 Thermoplastic Sealant, of any color, installed in applications exposed to UV for any duration of time, must be covered or painted. As is common with many other competitive Thermoplastics, direct or indirect exposure to UV may cause the sealant to “yellow”. Although this will not affect the performance of the product, the “yellowing” may not comply with the intended color matching of the sealant surroundings.

CAUTION – WARNING! FLAMMIBLE, TOXIC MATERIAL:

Avoid sparks, open flame or any source of heat. Avoid prolonged breathing of vapours and skin/eye contact. Provide adequate ventilation. Do not take internally. If swallowed, **do not** induce vomiting. **Keep out of reach of children.** For over exposure seek medical attention immediately. Read the Material Safety Data Sheet before using product.

SHELF-LIFE & STORAGE:

Shelf-life is 12 months from date of shipment from our plant when stored in clean, dry area. Store at room temperature. Avoid static electricity - ground containers when transferring product. Keep away from heat, sparks, and open flames. Keep container closed when not in use.

MANUFACTURED BY:

NUCO INC. T: 519.823.4994 TF: 1.800.853.3984
150 Curtis Drive F: 519.823.1099 E: sales@nucoinc.com
Guelph, ON N1K 1N5



FORM: 640_TDS.DOC

REV.: 4 DATE: 07/15



FEATURES:

- Excellent adhesion to most substrates.
- Cures in 24 hours.
- Paintable.
- Non-staining.
- Available in a plastic cartridge
- Ideal for **gutters, eaves troughs, flashings, and siding!**

AVAILABLE SIZES & COLOUR:

- 300 mL (10.1 fl.oz.) cartridge
- 12 cartridges per case
- 144 cases per skid
- Available in larger sizes*
- Available colors include: clear, white, and black.
- *Special order items may require lead times and minimum order quantities.



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WARRANTY INFORMATION:

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.

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	
Consistency:	Soft, Buttery, Non-sag
Flash Point:	24°C (75°F) Tag Closed Cup
Elongation Strength (Peak) QUV ASTM D 412:	Excess of 300%
Tensile Strength (Peak) QUV ASTM D 412:	Greater than 500 psi
Modulus 100%:	140 psi
Joint Openings:	1/8" x 1/8" to 1/2" x 1/2" (approximately)
Tack Free:	< than 1 minute
Cure (1/4" x 1/4" bead):	24 hours
Service Temperature Range:	-29°C to 71 °C (-20 °F to 160 °F)
Weight / Gallon:	10lb, +/- 1 lb
Paintable:	1 – 4 hours

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.

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