

# NuFlex® 480 PREMIUM Polyurethane Adhesive

**NuFlex**  
SEALANTS

## CONSTRUCTION ADHESIVE TECHNICAL DATA SHEET

**NuFlex® 480 Premium Polyurethane Construction Adhesive** is a one component, 100% polyurethane based, VOC compliant adhesive. It can be used for interior or exterior projects and is three times as strong as conventional solvent based construction adhesives. The advanced formula produces a permanent overnight bond to almost any substrate in all climates. It is also waterproof, paintable and cures even in cold temperatures.

### FEATURES & TYPICAL USES:

**NuFlex® 480 Premium Polyurethane Construction Adhesive** is specially designed for water-resistant assemblies of substrates such as wood, hardwood flooring, concrete, stone, marble, slate, masonry, brick, foam insulation, carpets, metal, lead, cement-based products, ceramics, fiberglass, drywall and mirrors.

### SURFACE PREPARATION & APPLICATION:

**APPLICATION DIRECTIONS:** Wear gloves during application. Apply to clean surfaces, free of dirt, moisture, and any foreign materials that may affect adhesion. NuFlex® 480 must be applied to the bare substrate surface. Cut nozzle to desired opening size, (1/4" or 6.3 mm). **Small Cartridge:** Cut tip off of the cartridge. **Large Cartridge:** Pierce inner seal. Apply adhesive to one surface of the material to be bonded. Press the surfaces firmly together. Use mechanical support to hold materials in place until adhesive is fully cured. **CLEAN UP:** clean tools and excess uncured adhesive immediately with mineral spirits or acetone. **Limitations:** NuFlex® 480 Construction Adhesive is not designed for continuous submersion. Not recommended for plastic tub surrounds, water submersion, polystyrene, polyethylene, and polypropylene surfaces. Test adhesive on an out-of-the-way area to make sure it will not mark or attack the surface

### CAUTION:

**DANGER:** Do not use near heat, sparks or flame. Use only with positive cross ventilation. Avoid breathing vapours. Do not swallow. Do not allow eye contact or prolonged skin contact. Uncured product can cause eye or skin irritation.

**First Aid:** If dizziness or other adverse effects are experienced, move to fresh air; contact physician if discomfort persists. If swallowed, **DO NOT** induce vomiting, contact a physician immediately. If eye contact occurs, flush with water for 15 minutes; contact physician immediately. Wash skin contact areas with soap and water; contact physician if irritation persists. Prolonged or repeated overexposure to solvents in uncured product can cause central nervous system, peripheral nervous system, eye, skin or respiratory system effects. For additional information, refer to Material Safety Data Sheet. **KEEP OUT OF THE REACH OF CHILDREN.**

### SHELF-LIFE & STORAGE:

Shelf-life is 12 months when stored in a clean, dry area. Store at 24°C (75°F) at 50% relative humidity. Keep container tightly sealed when not in use. In cool or cold weather, store containers at room temperature for at least 24 hours before using.

### 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: PU\_TDS.DOC

REV.: 1 DATE: 05/11



### FEATURES:

- Excellent adhesion strength.
- VOC compliant.
- Contributes to LEED credit.
- Nonfreezing.
- AFG-01 approved.
- Low odour.
- Versatile.
- Adheres to dry, wet & frozen lumber.
- Waterproof & quick setup.

### AVAILABLE SIZES & COLOUR:

- 296 mL (10 fl.oz.) cartridge
- Part No.: 48000
- 828 mL (28 fl.oz.) cartridge
- Part No.: 48080
- 12 cartridges per case
- 144 cases per skid (296 mL)
- 54 cases per skid (828 mL)



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### SPECIFICATIONS:

#### NuFlex® 480:

- Meets and exceeds all requirements of the American Plywood Association Specification AFG-01, Adhesive for Gluing Plywood to Wood Framing.
- FHA Bulletin UM-60.
- ASTM D3498.
- ASTM C-557.

### 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
Viscosity, cps:	Up to 1,000,000
Solids:	90
Working or open time, hrs:	Up to 1
Weight, lbs/gal (kg/L):	10.8 (1.30)
Flash point, °C (°F):	250 (121)
Freeze/thaw stability:	Does not freeze
Shrinkage:	None
Service temperature, °C (°F):	Up to 250 (121)
Slab temperature, °C (°F):	50 to 100 (10 to 38)
Curing, 75°F (24°C) @ 50% relative humidity:	1-2 hrs, firm set
<i>note: cure time varies with temperature, humidity, and porosity of the materials joined.</i>	16 hrs, handleable
	7 days, full cure
Application temperature, °C (°F):	Apply above 4°C (40°F)

### 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.

### 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.*



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