

# NuFlex® 446 ACOUSTICAL VAPOUR BARRIER BUTYL ADHESIVE



**NuFlex® 446 Acoustical Vapour Barrier Adhesive** is a non-skinning butyl adhesive. It is specially formulated to be a non-hardening, permanently flexible acoustical and vapour barrier sealant.

## ■ FEATURES & TYPICAL USES

### Features:

- Non-skinning butyl
- Non-curing
- Non-hardening
- Permanently flexible
- Outstanding adhesion to many substrates

### Bonds To:

- Polyethylene vapour barrier
- Wood
- Metal
- Fiberglass

### Basic uses include:

1. Perimeter sealing polyethylene vapour barrier over fibreglass batt or other insulations
2. Metal roof panel rib sealant
3. Bedding sealant

## ■ 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.
- Priming is not required.

### 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. 446 Acoustical Vapour Barrier Adhesive is supplied ready-to-use.
3. Run a continuous bead of sealant to one substrate and clean up any excess (see limitations for restrictions).
4. Tooling is recommended immediately after application to insure firm, intimate contact with the joint interface. Dry tooling is preferred although tooling agent can be utilized.
5. Cover within 24 hours to prevent tracking and dirt pickup which may inhibit adhesion.

### Clean-up:

1. Clean-up of NuFlex® 446 can be accomplished with Xylol or Toluol.



**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
<b>As Supplied...</b>	
Type:	Non-skinning butyl
Application Temperature:	-20° - 49°C (-5° - 120°F)
Service Temperature:	-54 - 93°C (-65° - 200°F)
CGSB 7.1 - Resistance to sag:	Passes
CGSB Brookfield - Viscosity:	1,000,000 cps
CGSB 3.1 - Extrusion rate:	Passes
CGSB 5.1 - Loss of mass (after heat aging):	Passes
CGSB 9.2 - Resistance to staining and bleeding:	Passes
CGSB 11.1 - Low temperature flexibility:	Passes [-10°C (14°F)]
CGSB 19.2 - Cracking / blistering:	Passes
Shear modulus (using GR component):	45,000 N/m <sup>2</sup>
Density:	1,720 Kg/m <sup>3</sup>
Storage:	5° to 32°C (40° to 120°F)
Shelf life:	12 months from date of mfg.

**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.

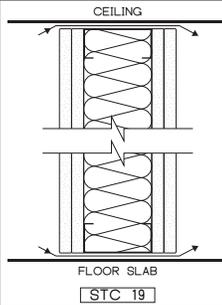
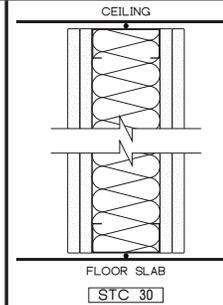
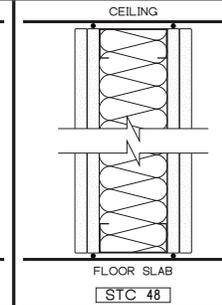
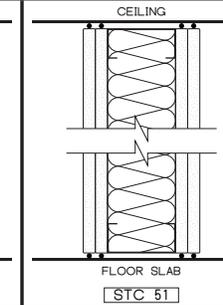
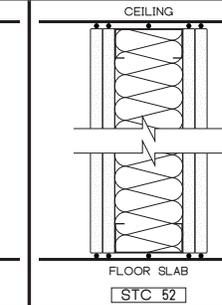
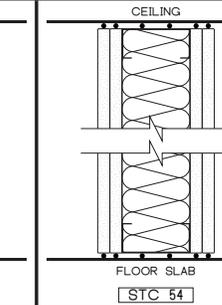
## CAUTION:

- Combustible.
- Contains petroleum distillates.
- Keep away from heat and open flame.
- Do not take internally.
- Avoid prolonged contact with skin a breathing of vapour. Use only with adequate ventilation.

## MANUFACTURER INFORMATION:

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 Guelph, ON N1K 1N5 F: 519-823-1099 E: info@nucoinc.com

## STC VAULE:

					
<b>UNCAULKED</b>	<b>1 BEAD</b> 1 under track	<b>2 BEADS</b> 1 under each inner layer of GWB	<b>4 BEADS</b> 1 under each layer of GWB	<b>5 BEADS</b> 2 on each side plus 1 under the track	<b>6 BEADS</b> 2 at each side plus 2 under the track
The open-edge crack dropped the STC value from 54 lab result to 19 through direct leakage.	This bead closed void but did not seal leakage around the joint between wallboard and track.	The beads closed void and sealed leakage around track. A tremendous improvement in performance.	The void is closed; no leaks around track and wallboard; 3 db improvement in class is worthwhile.	Void is closed. No leakage, but 1 db improvement in class.	Void is closed and six beads prevent any possible leakage.

## 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.

## SPECIFICATIONS:

NuFlex® 446 conforms to:

- CAN/CGSB 19.21 M87 (QPL #60963-H)

## LIMITATIONS:

- Not paintable.
- Only use in concealed areas.
- Do not apply to damp or contaminated surfaces.
- Do not apply in exposed interior or exterior applications.

## AVAILABLE SIZES & COLOURS:

SKU	Size	Theoretical Yield:
44600	300 mL	7.3 meters (24 linear feet)
44680	828 mL	20.4 meters (67 linear feet)

## STORAGE AND SHELF LIFE:

- Shelf life is 12 months from the date of manufacture when stored in a clean, dry area.
- Store between 5° to 32°C (40° to 90°F).
- For best results, store the sealant in tightly closed containers when not in use.