

NuFlex® 456 HEAVY DUTY CONSTRUCTION ADHESIVE



NuFlex® 456 Heavy Duty Adhesive is a versatile low VOC professional strength adhesive that exceeds the APA's AFG-01 specification. It is designed for a wide range of construction applications.

■ FEATURES & TYPICAL USES

Features:

- VOC compliant
- Superior adhesion strength
- Remains flexible
- Exceeds AFG-01 specification
- Freeze-thaw stable
- Superior extreme temperature adhesion
- Adheres to many substrates

Bonds To:

- Wood (dry, wet, or frozen)
- Metal
- Brick
- Concrete
- Ceramics

Basic uses include:

1. Adhering large panel-type substrates to most common construction materials.

Other uses include:

1. Glue assist for flooring installations.
2. Reducing floor squeaks by using as a subfloor adhesive.

■ SURFACE PREPARATION & APPLICATION:

Before Use: Read the label in its entirety.

Surface Preparation:

- Working surfaces to be bonded should be clean, dry and free from excessive oil, grease, water, dirt or any other material 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, apply NuFlex® 456 Heavy Duty Construction Adhesive to only one of the surfaces to be bonded. NOTE: When bonding subfloors or wet, frozen and treated lumber, nail or screw as recommended by local building code.
3. Run a continuous bead of sealant to one substrate and clean up any excess (see limitations for restrictions).

Cure:

- For a 1/4" bead of adhesive, there is a 20 minute working time.
- In a ventilated work area full cure should be achieved within 24 hours.

Clean-up:

1. Scrape off dried excess with a putty knife.
2. Remove residue with mineral spirits or equivalent solvent. Follow solvent vendor's precautions when using solvents.

Note: Test solvent on an out-of-the-way area to make sure it will not mark or attack the surface.



NuFlex
SEALANTS

NuFlex® 456 HEAVY DUTY CONSTRUCTION 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:	Synthetic elastomeric polymer
Application temperature:	-18° to 38°C (0° to 100°F)
Service temperature:	-29° to 49°C (-20° to 120°F)
Working time, 1/4" bead:	Approx. 20 minutes
Weight/gallon:	10.6 lbs
State:	Medium-viscosity mastic
Flashpoint:	Less than -18°C (0°F)
Freeze/thaw stability:	Will not freeze
Solids:	66%
Viscosity:	160,000 cps
Calculated VOC (less water, less exempt solvents):	<44 g/L
Coverage 1/4" bead:	296 mL - 30 linear feet 828 mL - 86 linear feet

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® 456 meets the requirements of:

- APA's AFG-01,
- ASTM D3498,
- ASTM C-557
- HUD/FHA Use of Materials Bulletin #60.

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:

- NuFlex® 456 Heavy Duty Construction Adhesive is not designed for continuous submersion.
- Not for use on polystyrene or polystyrene foams. For polystyrene foam, tub surrounds, vinyl coated drywall and most other plastics, we recommend NuFlex® 480 Premium Polyurethane Construction Adhesive.

AVAILABLE SIZES & COLOURS:

SKU	Size	Theoretical Yield:
45600	296 mL	9.1 meters (30 linear feet)
45680	828 mL	26.2 meters (86 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.

CAUTION:

- EXTREMELY FLAMMABLE. VAPOUR HARMFUL.
- Contains methyl acetate, hexane, and residual vinyl acetate.
- Keep away from heat, sparks and 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.

MANUFACTURER INFORMATION:

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