

458 Subfloor Adhesive



CONSTRUCTION ADHESIVE TECHNICAL DATA SHEET

NuFlex® 458 All Weather Subfloor Adhesive is the professional's choice for subfloor installations and general plywood use. It is ideal for particleboard, OSB and engineered lumber as well as wet, frozen and treated lumber. It offers a strong initial tack, provides superior strength and remains permanently flexible.

NuFlex® 458 All Weather fills gaps and irregularities between materials and provides a more solid backup surface. It reduces the amount of nailing, increases floor rigidity and helps eliminate squeaky floors. **NuFlex® 458 All Weather** works extremely well in colder temperatures and offers excellent water-resistance.

FEATURES & TYPICAL USES:

Ideal for plywood, particleboard, OSB, and wet, frozen and ACA & CCA treated lumber. Fills gaps and irregularities between materials to provide a more solid backup surface. Works extremely well in colder temperatures. The NuFlex 458 will also have excellent adhesion to masonry, concrete, brick, ceramic tile and slate.

SURFACE PREPARATION & APPLICATION:

Working Surfaces: Surfaces to be bonded should be clean, dry and free from excessive oil, grease, water, dirt or any other material that may deter adhesion. Apply **NuFlex® 458 All Weather Subfloor Adhesive** to each piece of furring, studs or floor joists to be covered. When bonding subfloors or wet, frozen and treated lumber, nail or screw each sheet as recommended by the American Plywood Association. **Cleanup:** Scrape off dried excess with putty knife. 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. **Limitations:** **NuFlex® 458 All Weather Subfloor Adhesive** is not designed for continuous submersion or for use on polystyrene foams. For polystyrene foam, tub surrounds and most other plastics, we recommend **NuFlex® 454 General Purpose Construction Adhesive**.

CAUTION:

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

MANUFACTURED BY:

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Guelph, ON N1K 1N5



FORM: 458_TDS.DOC

REV.: 9 DATE: 03/15



FEATURES:

- Superior adhesion strength.
- Exceeds AFG-01 specification.
- Freeze-thaw stable.
- Superior extreme temperature adhesive.
- Adheres to many common construction substrates.

AVAILABLE SIZES & COLOUR:

- 828 mL (28 fl.oz.) cartridge
- Part No.: 45880
- 12 cartridges per case
- 54 cases per skid (828 mL)



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SPECIFICATIONS:

NuFlex® 458, exceeds the requirements of the:

- American Plywood Association AFG-01
- ASTM C-557
- ASTM D-3498
- CAN/CGSB-71.26M
- CAN/CGSB-71.25M

SHELF-LIFE & STORAGE:

Shelf-life is 18 months from date of shipment from our plant when stored in clean, dry area. Store at room temperature.

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°C to 38°C (0°F to 100°F)
Service Temperature:	-29°C to 49°C (-20°F to 120°F)
Weight/gallon:	10.6 lbs
Working Time, ¼" bead:	Approx. 10-20 minutes
State:	Medium-viscosity mastic
Flashpoint:	Less than -18°C (0°F)
Freeze/thaw Stability:	Will not freeze
Solids:	67%
Viscosity:	150,000 cps
Calculated VOC (less exempt solvent):	<389 g/L
Coverage, ¼" bead:	828mL = 86 linear feet

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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