



TRI-BUILT® HIGH PERFORMANCE POLYURETHANE SEALANT

TRI-BUILT® High Performance Polyurethane Sealant is a single component, high performance polyurethane sealant that withstands extreme weather conditions and cures to a flexible weatherproof seal.

BENEFITS:

- Withstands extreme weather conditions
- ASTM C 920 compliant
- Moisture cure
- Permanently flexible
- Minimal shrinkage
- Non-sag formula
- Low odor, low VOC
- VOC & CARB compliant
- Primerless adhesion
- Paintable, non-corrosive
- Contains no TDI (toluene diisocyanate)

BASIC USES:

- Roofing applications such as concrete roofing tile, clay roofing tile, metal roofing, Kynar® coated metal, and composition shingles.
- Building lath paper repair, gutters, HVAC, flashing, skylights, roofing seams, roofing projections, termination points, and vents.

PROPERTIES:

Adheres to: Stone, masonry, ceramics, wood, steel, coated steel Kynar®, aluminum, asphalt, building paper, BUR, concrete, and fiberglass.

Grade: Gun grade consistency

Primer: Not required on most surfaces.

Packaging: 10.1 fl. oz. cartridge

Colors: Most preferred colors

APPLICATION LIMITATIONS:

- Do not apply over damp or contaminated surfaces
- Do not apply to absorptive surfaces such as marble, limestone, or granite without prior testing for discoloration or staining

APPLICATION STANDARDS:

Meets ASTM C 920 Type S, Grade NS, Class 25, Use NT, A, M, G, and O

INSTALLATION:

Joint Design: The width of the joint should be a minimum of 4 times the anticipated movement. In joints up to 1/2" wide, the depth of the sealant should be equal to the width, but not less than 1/4". In joints wider than 1/2", the depth should be maintained at 5/8". Lap shear joints should have a width of at least twice the anticipated movement.

Surface Preparation: Joints to receive sealant must be sound, smooth, uniform in dimensions, and free from defects and foreign material. They must be clean, dry, and free of frost and all contaminants, such as curing compounds, sealers (waterproofing), coatings, etc. Sealant adhesion should be tested on each different substrate prior to caulking. To test adhesion, apply a sealant bead and allow to cure thoroughly. Then pull one end of the bead to test adhesive strength.

Joint Backing: Joint depth should not exceed 5/8". An open cell backer rod should be used to control joint depth. In shallow joints, a bond breaker tape should be installed to prevent three-point contact.

Elongation: 1093%

Tack Free: 3 hours

Cure: 1 day

Application and Service Temperature: -20° F to 150° (-29°C to 66°C)

Application and Tooling: Apply with conventional caulking equipment. Fill joints from the back to prevent voids and air pockets. If application temperature is below 40° F (5° C), precautions should be taken to ensure the substrates are completely dry and frost free. Immediately after application, tooling is recommended to ensure firm, full contact with the joint sides.

Cleaning: Remove TRI-BUILT® Sealant from gun and tools before it cures. This may be done by scraping and use of solvents such as Xylol. Follow manufacturer's instructions for safe use. Cured materials may be removed by cutting with sharp tools or sandpapering.

Storage and Shelf Life: Unopened containers should be protected from heat, moisture, and direct sun. Do not open containers until all preparatory work has been completed. Material in unopened containers is usable for up to 1 year when stored at 75° F (25° C).