

ECI-151 Acrylic Urethane

Elastomeric Sealant, Caulk

Description

ECI-151 is a 1 component, high performance, gun-grade, Acrylic Urethane Elastomeric Sealant. Formulated from premium technology, reduces dirt pickup, eliminates yellowing and shiners. Internally plasticized resin requires no mixing or priming to bond to most materials, including concrete, wood and masonry. Superior adhesion and durability, 50% total joint movement and 800% elongation. Forms an airtight, water resistant seal, once cured the bead is mildew resistant. ECI-151 is safe for UV exposure and will not discolor.

Features

- Ready to use**
- Easy to gun and tool**
- Water Based**
- Primerless application**
- Weather resistant**
- Wide temperature-application range**
- Compatible with most coatings**

Benefits

- No mixing; reduces labor cost
- Speeds application and makes neater joints
- Easy clean up
- Lowers installation costs
- Produces long-lasting weather-tight seals
- Suitable for all climates
- May be painted over with acrylic and elastomeric coatings

Uses

ECI-151 can be used in applications for siding, surfaces, metal roof seams, bolt heads, curtain wall construction, stucco, panel walls, precast units, window/door installation, fascia, parapets, expansion joints. It is formulated to adhere well to wood, vinyl, aluminum, concrete, masonry, aluminum, wood, cement board, galvanized steel, etc. ECI-151 can be used for interior and exterior applications.

Surface Preparation

Surfaces to be caulked must be dry and free of all dirt, dust, oil, mildew, loose paint, old caulk or other contaminants. Bare surfaces should be primed before caulking. Only apply when sealant, surface and air temperatures are above 40° F and rising. Do not apply on surfaces that exceed 120°F, or when rain is expected.

Application

It is the user's responsibility to check the adhesion of the cured sealant on typical test joints at the project site before and during application.

ECI-151 comes ready to use. U-shaped joints should have the proper size backer rod or bond breaker tape installed to prevent 3 point adhesion. The sealant must reach deepest point of the joint. Remove excess with a clean rag and water. Tooling the joint flush with a putty knife is recommended. Tooling results in the correct bead shape, a neat joint, and maximum adhesion. 90° joints can be tooled smooth with a moistened rag to a minimum bead size of 3/8".

CURE TIME @ 75° F (24° C) 50% relative humidity Joint Size ½" X ¼"

Tooling time: 15 minutes

Tack free time 60 minutes

The cure of ECI-151 varies with temperature and humidity. Lower temperatures and humidity will extend curing times.

Performance Characteristics

Exceeds ASTM C-920, Grade NS, Class 25
Exceeds ASTM C-834, Type OP, Grade -18°C
Exceeds Fed. Spec TTS-00230C, Type S, Class B
Fills up to ½" in properly designed joints

Technical Data

Vehicle:	Proprietary Urethane/Modified Acrylic Blend (Siliconized)
Volatile:	Predominantly Water
Solids:	Approximately 70%
VOC Content:	Non-Chemically Curing Compound <1.5% Less Exempt Solvents
Weight per Gallon:	9.3 ± 0.5
Service Temp:	-40°F to 180°F
Application Range:	40°F and rising.
Max Temp Application:	Air temp 95° and substrate less than 120°F
Freeze Thaw Stability:	Passes 5 Cycles@ 0°F (Cycle=16hrs. @ 0°F, 8hrs at 75°F)
Dynamic Joint Movement:	Approximately + - 25%
Flash Point:	Not Applicable
Consistency:	10 to 25 G/S @ 75°F (SEMCO Gun at 50psi)
Applications:	Interior / Exterior
Warranty:	Lifetime Performance
Shelf Life:	24 months when stored at 50°F to 80°F
Coverage:	10.1 fl oz = 53 linear ft. at a 3/16" bead
Odor:	Mild Sweet Acrylic
Tooling Time:	15 Minutes
Tack Free Time:	60 Minutes
Full cure:	7-14 Days
Clean Up:	Soap & Water

Sizes

- 10.1 fl oz. (300 ml) cartridge, 12 cartridges per carton.
- Five gallons pails are available by special order only.
- Custom colors are available in 250 Gallon batches (3,000 tubes).

Warranty

ECI warrants that this product, provided it is properly stored and applied, will never crack, peel, or separate. If a failure occurs, return proof of purchase for replacement. Manufacturer shall not be held liable for damages in excess of the purchase price. This is the sole and exclusive remedy and liability for defects or failure of this product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESSED OR IMPLIED; INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS.