

Sikaflex® 110

Liquid Seam Sealant

Description	Sikaflex 110 Liquid Seam Sealant is a non-shrinking, 100% solids, solvent free polyether based, moisture curing, elastomeric sealant. It forms a weather-tight seal when applied over sheathing board joints. Its distinctive blue color allows easy visual verification that all seams and gaps have been effectively sealed.
Where to Use	For use on exterior gypsum board sheathing, extruded polystyrene, EPS, concrete and plywood construction materials and it is installed prior to applying an air barrier coating.
Advantages	<ul style="list-style-type: none">■ Sealant can be left exposed for up to 6 months.■ The placement of Sikaflex 110 Liquid Seam Sealant to seal joints between construction materials is in compliance with the International Energy Conservation Code (IECC) mandatory requirements Section 502.5, 502.4, and 502.4.3 to seal the building envelope for Air Leakage and Moisture Control.
Coverage	One quart tube covers 80 to 100 lineal feet.
Cure Mechanism	Skin Over Time 25 minutes. @ 72°F (22°C) and 40% RH Set time (60mil film) 1 hour. @ 72°F (22°C) and 40% RH
Packaging	Quart tubes (28 oz), 12 tubes to carton, Carton: 27 lbs
How to Use	
Surface Preparation	All surfaces to be sealed must be clean and dry.

Typical Data (Material and curing conditions @ 74°F (22°C) and 40% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Storage:	Store above 60°F (15°C) prior to use, apply above 40°F (5°C).
Shelf Life:	1 year
Standard Specification for Elastomeric Joint Sealants ASTM C 920 Classification:	Type S, Grade NS, Class 12.5, Use O
Appearance:	Lightly textured, distinctive blue color
Density Specific gravity:	1.1 or (8.0lbs./gal)
Durometer:	27 Shore A
Odor:	Mild mint ester
VOC:	15.7 g/l
Solids:	100%
Exposure:	6 months
Packaging:	Quart tubes, 12 tubes/carton
Hardness:	27 Shore A ASTM D2240
Tensile Strength:	160 psi ASTM D412/C1135
Tensile @ 50% Elongation:	75 psi ASTM C1184
Tensile @ 100% Elongation:	115 psi ASTM C1184
Elongation:	200% ASTM D412/C1135
Tear Strength:	3.4 lbs. (type T) ASTM D624
Shear Strength:	140 psi ASTM C961
Peel Strength 1:	3.75 pli ASTM C794
Peel Strength 2:	4.5 pli ASTM C794
Joint Movement Capability:	+/-12.5% ASTM C719

Construction



Application	Sikaflex 110 Liquid Seam Sealant is very fast setting and develops most of its properties within forty-five minutes after application. The compound is applied in a 1/4 inch bead. It is then tooled to 3/4 inch by 1/16 inch cap seal that becomes tack free in twenty minutes. It cures to a firm rubber like seal in one hour. For best finish surface profile do not allow un-tooled beads to stand for more than ten minutes. Wait 12 hours before coating. Always do a mock-up and test for compatibility.
Limitations	<ul style="list-style-type: none"> ■ Surfaces must be clean and dry to the touch. ■ Apply at temperatures between 40°F and 120°F. ■ Contact between Sikaflex 110 Liquid Seam Sealant with Sarnafil Roofing Systems is strictly prohibited. ■ Test sealant for acceptable adhesion prior to applications over an existing air barrier coating. ■ Limit exposure to no greater than 6 months.
Caution	WARNING: IRRITANT, SENSITIZER. Contains N-(3-(trimethoxysilyl)propyl) ethylenediamine (CAS: 1760-24-3). Cause eye irritation. May cause respiratory tract irritation. May cause skin sensitization after prolonged contact. May cause gastrointestinal disturbances. Deliberate misuse by inhalation of vapors may be harmful or fatal.
First Aid	Eyes – Hold eyelids apart and flush thoroughly with water for 15 minutes. Skin – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. Inhalation – Remove to fresh air. Ingestion – Do not induce vomiting. Dilute with water. Contact physician. In all cases contact a physician immediately if symptoms persist.
Handling and Storage	Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse.
Cleanup	Use personal protective equipment (chemical resistant gloves/goggles/clothing). Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY

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