

Spec/Data

U909

Urethane Caulk

Product Information

Adurel U909 is a low-modulus single-part urethane sealant.

Recommended Uses

Plywood joints	Insulation joints
Gutter joints	Concrete control joints
Flashing terminations	Ductwork seams
Masonry joints	Vent seal

Product Characteristics

Maximum VOC: 141 grams / liter

Cleanup: Clean spills and spatters immediately with 100 solvent.

Application Conditions

Temperature: Above 25°F

Relative Humidity: 97% Maximum

Performance Characteristics

Physical Property	ASTM	Typical Value
Breaking Strength	D-412	220 psi
Elongation	D-412	600%
Weep and Sag	ASTM C639	None
Durameter Hardness	D-2240	40 Shore A
Weight Loss	C792	4% max.
Tack-Free Time		15 mins.
Tear Resistance	D-1004	30 psi
Shelf Life (unopened)		12 months (stored 35°F to 75°F)
Peel Adhesion	C794	10 lbs. / in.
Color		Gray / Off-White

Ordering Information

Container Size	Weight	Class
12 – 20-oz. tubes / case	12 lbs.	55

D.O.T. Shipping Information:
Flammable Liquid, NOS, 3, UN 1993, PG III

HMIS: Health 2, Flammability 2, Reactivity 1, Protection H

Application Information

Surface Preparation:

Joint surfaces must be clean, dry and free of dust or form release agents and structurally sound. New concrete or mortar must be completely cured. Primer not needed for common substrates unless for immersion. The UP70T urethane or EP50 T epoxy primer.

Concrete Control Joint Design:

Minimum width should be at least 4 times the anticipated movement but not less than 1/4". For joints 1/4" to 1/2", the width and depth should be equal. For example, a 3/8" joint should be 3/8" wide and a sealant depth of 3/8". Use backer rods or joint backers to achieve equalization.

Plywood and Insulation Joint:

Apply liberal layer of sealant centered on joint and level with 18" applicator flat squeegee. Sealant should completely fill the joint. Prime caulk with deck prior to coating with the urethane.

Cants:

Transitions at wall and projections on plywood and concrete deck systems can have the U909 tooled at the joint with a minimum 1/4" thickness centered at the joint and tapered at least 1" above and below the joint.

Acceptable Backer Rods:

Polyurethane	Closed cell polyethylene
Neoprene	Butyl

Application of U909 above maximum or below minimum recommended spreading rate may adversely affect performance.

Performance Tips

Fill the joint completely and tool immediately to ensure full contact with the joints.

Coverage:

Joint Size	Linear Ft. / 20-oz. tube
1/8 x 1/8	192 ft.
1/8 x 1/4	96 ft.
1/8 x 3/8	64 ft.
1/8 x 1/2	48 ft.
1/4 x 1/4	48 ft.
1/4 x 3/8	64 ft.
1/4 x 1/2	24 ft.

Insulation and Plywood Joints:

Average 1.5 tube / sq.

Cants:

8-10 ft. per tube (1/2" x 3/4" tooled joint)

Safety Precautions

Installers should read and understand all technical and informational literature on Adurel U909, including the Material Safety Data Sheets, prior to using this product.

Manufactured by

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