

TREMCO

THC-900/901

Multi-Component Polyurethane Sealant for Horizontal Expansion Joints

Product Description:

THC-900 and THC-901 are multi-component, chemically-curing polyurethane joint sealants.

Basic Uses:

THC-900 is a self-leveling joint sealant that should be limited to horizontal expansion and control joints with less than a 5% slope. THC-901 is a semi self-leveling joint sealant that is recommended for horizontal expansion and control joints with a slope up to 10%. Both sealants can be used in parking garages, plaza, terrace decks, and floor and sidewalk joints.

Limitations:

- Do not apply over damp or contaminated surfaces.
- Not intended for continuous water immersion.

Packaging:

1-1/2 gallon (5.7 L) and 3 gallon (11.4 L) kits. Each kit comes with pre-measured cans of Curing Agent.

Standard Colors:

THC-900 and THC-901 are available in 53 standard colors and can be custom matched to virtually any color upon request. THC-900 and THC-901 are also available pre-tinted in the color limestone.

Applicable Standards:

THC-900 meets U.S. Federal Specification TT-S-00227E, Class A, Type 1; ASTM C920, Type M, Grade P, Class 25, Use T, M and O.

THC-901 meets U.S. Federal Specification TT-S-00227E, Type 1 Class A, ASTM C920, Type M, Grade P, Class 25, Use T, M and O.

INSTALLATION

Joint Design:

For application in moving joints in horizontal or moderately sloped surfaces such as decks, walkways, traffic ramps, reservoirs, etc. Joint width should be 4 times anticipated movement, but not less than 1/4 inch (6.4mm) wide.

Joint Dimensions:

For joint 1/4 inch (6.4mm) to 1/2 inch (12.7mm) wide, the width to depth ratio should be equal. Joints 1/2 inch (12.7mm) wide or greater should have a sealant depth of 1/2 inch (12.7mm). Minimum joint size is 1/4 inch by 1/4 inch (6.4mm by 6.4mm).

Surface Preparation:

For good adhesion, the joint interface must be sound, clean and dry. Depending on the substrate, or presence of form release agents, masonry waterproofs, dust, loose mortar or laitance, architectural paints or finishes, the joint surface may require a thorough wire brushing, grinding, sandblasting, solvent washing and/or primer.

Tooling & Cleaning:

Tooling is generally not required. Where necessary, light tooling can be done immediately. Dry tooling is preferred, although tooling agents can be utilized. Excess sealant and smears adjacent to the joint can be removed with Xylol or Toluol before sealant cures.



Joint Backing-Bond Breaking Tape:

Closed cell polyethylene backer rods are preferred as joint backing to control depth of sealant bead.

Where depth of joint will prevent use of joint backing, an adhesive backed polyethylene tape should be installed to prevent three-sided adhesion. Joint backing must be dry at time of sealant application.

Application:

Mix in accordance with directions on product container label.

Minimum mixing time is 6 minutes.

Apply with conventional caulking

equipment, filling the joint completely and tool.

Maintenance:

Damaged sealant can be repaired. Consult your Tremco Distributor or Representative for repair procedures.

Availability:

Immediately available from your local Tremco Field Representative, Tremco Distributor or Tremco Warehouse.

Warranty:

Tremco warrants its Sealants to be

free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Sealants. Tremco's sole obligation shall be, at its option, to replace, or to refund the purchase of the quantity of Tremco Sealant proved to be defective and Tremco shall not be liable for any loss or damage.

TYPICAL PHYSICAL PROPERTIES

ASTM C920 TT-S-00227E	Requirement	THC 900 Results	THC 901 Results
Rheological Properties	Self Leveling at 40°F (4.4°C)	Self Levels	Semi-Self Leveling
Extrusion Rate	20 Seconds Maximum	3 Seconds	4 Seconds
Weight Loss	Maximum 10%	6%	10%
Tack Free Time	Tack Free 72 Hours Maximum	Passes	Passes
Stain & Color Change	No Visible Change No Stain	Passes Passes	Passes Passes
Durability-Cyclic Movement Adhesion & Cohesion	1-1/2 sq. in. (9.7 cm ²) Max Total Bond Loss	Passes	Passes
Adhesion-in-Peel	Not less than 5 pli (22N) Less than 25% Bond Loss	Concrete-18-22 pli (111-133N) w/primer Passes	Concrete-30-35 pli (111-133N) w/primer Passes
Effects of Accelerated Aging	No cracks greater than #2 on U.V. and Cold Temperature Bond Test	Passes	Passes

NOTE: There is no method specific in ASTM C920 that defines the rheology of a slope grade pourable sealant.

For MSDS and Spec Data Sheets,
visit our website:
www.tremcosealants.com

TREMCO

Sealant/Weatherproofing Division

2735 Green Road • Beachwood, Ohio • 44122 • Phone: (216) 292-5000 • (800) 321-7906
220 Wicksteed Avenue • Toronto, ON M4H 1G7 • Phone: (416) 421-3300 • (800) 363-3213

