

FLEXIBLE EPOXY LOOP SEALANT PRODUCT 1262

Flexible Epoxy Bonding and Sealing Agent

PRODUCT DESCRIPTION

Two-component, 100%solids, flexible epoxy polymer for sealing wire and lights in pavement. This solvent-free product is a low viscosity, pourable resin. Product 1262 contains non-abrasive fillers to produce a self-leveling flexible sealant. Formulated for installation over dry or moist substrates and application temperatures of not less than 40° F (and rising), this product complies with numerous state road specifications for two-component loop sealants, including Federal Aviation Authority, Item P-606.

PRODUCT USE

Typical uses for Thermal-Chem Flexible Epoxy Loop Sealant L.V. include:

- To embed and protect detector loop wires for vehicle traffic signals and airport runways
- As a flexible adhesive bonding agent

ADVANTAGES

- Easy to mix 1:1 ratio by volume
- Low viscosity formulation
- Can be applied over dry or damp substrates
- Strong enough to withstand normal vehicle traffic with sufficient flexibility to tolerate concrete pavement movement
- Protects loop wire from moisture penetration
- Excellent adhesion to properly prepared pavement substrate joint slats (either concrete or asphalt)
- Provides high electrical properties

LIMITATIONS

- Do not thin
- Solvents may prevent proper cure
- Substrate temperature should be not less than 40°F, and rising
- Do not use in expansion (moving) joints
- Excellent bonding can be attained with joints up to 1/2" wide and 1 1/4" deep on either a dry or damp surface (free of standing water). In joints of greater depth or width, heat generated by the product's rapid curing properties can cause dampness on the substrate surface to form gasses that may adversely affect the bond. Therefore, damp joints of greater width and/or depth than 1/2" x 1 1/2" must be dried before application of this product to insure proper bonding.

COVERAGES

- One gallon will yield 231 cubic inches
- Typical coverages are:
 - 1/4" wide x 1 1/2" deep, approximately 52 lineal feet
 - 1/2" wide x 2" deep, approximately 19 lineal feet
 - 1" wide x 2" deep, approximately 9 1/2 lineal feet
 - Product 1260: Addition of one gallon dry, salt-free silica sand to one gallon of mixed product will increase the yield by approximately 50%

Note: All coverage rates are theoretical and no guarantee of results is possible due to project variables including conditions of substrate, application temperatures and installation techniques.

TYPICAL PHYSICAL PROPERTIES

Flexible Epoxy Loop Sealant - 1262

Shelf Life:	One year in original unopened containers
Storage Conditions:	Store dry at 40° to 95°F. Precondition to 65° - 85°F before using
Color:	Gray - #1262
Mixing Ratio by Volume:	1:1
Consistency:	Pourable, approximately 15-18 ps
Pot Life - ASTM C881:	11 - 13 mins. With silica sand - 20 mins.
Tack free time - ASTM C679:	Neat - 25-30 mins. With silica sand - 50-60 mins. (30-35 mins. #1262)
Hardness (Shore D (ASTM D2240)	35-65
Tensile Elongation (ASTM D638)	min 50%
Bond Strength (ASTM C882): To concrete To asphalt	600 psi Good
Coefficient of Linear Expansion 35° - 140° F, ASTM D1168:	0.00010 (#1260)
Water Absorption (24 hrs.) ASTM D570:	Max. .03%
3% NaCl Absorption (24 hrs.) ASTM D570	Max. .03%
ASTM #3 Oil Absorption (ASTM D570 (24 hrs.) Max.	.01%
Gasoline Absorption (24 hrs.) ASTM D570	Max .05%
Volume Resistivity (77° to 150°F) ASTM D149	2.4 x 10 ¹³ OHM-CM 1/2 x 10 ¹⁰ OHM-CM
ARC Resistance, ASTM D495	150 sec. minimum

PRODUCT AVAILABILITY

Products are manufactured and available through the Thermal-Chem Corporation, 2120 Roberts Drive, Broadview, IL 60155 U.S.A.

Tel: 800/635-3773 ■ 847/288-9090
Fax: 847/288-9091
E-Mail: sales@thermalchem.com
Website: www.thermalchem.com

TECHNICAL/SPECIFICATION SERVICES

Additional Product Data, complete Technical Support and Product Specifications are all available through Thermal-Chem Corporation; or their local representatives.

Every reasonable precaution and effort has been taken in the manufacturer of all Thermal-Chem products to comply with the published product data. Actual product performance may vary slightly due to environmental influences and/or conditions.

PRODUCT HANDLING

Read the Material Safety Data Sheet thoroughly before use.

Warning: For professional use only. Avoid contact of uncured material with skin and eyes. Contact with skin may result in irritation. Wash skin with soap and water. If contact with eyes should occur, flush with water for 15 minutes and seek immediate medical attention.

LIMITED WARRANTY

Thermal-Chem Corporation warrants its product to be of good quality and will replace any product proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement, **THERMAL-CHEM CORP. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS,** and Thermal-Chem Corporation

shall have no other liability with respect thereto, including without limitation, liability for incidental or consequential damages. Any claim regarding product defect must be received in writing within one hundred and eighty (180) days from the date of shipment. No claim will be considered without such written notice or after the specified time interval. The user shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.