TECHNICAL DATA SHEET – THIOKOL® 2235SL

DESCRIPTION
THIOKOL 2235SL is a high performance, self-leveling, chemical resistant elastomeric joint sealant. Due to its high polysulfide polymer content, it is resistant to many chemicals, shrinkage, aging, thermal stress and the effects of outdoor exposure.

TYPICAL APPLICATION

<table>
<thead>
<tr>
<th>PRIMER</th>
<th>THIOKOL 5050 Primer @ 3-5 mils (concrete)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACKER ROD</td>
<td>Customer supplied</td>
</tr>
<tr>
<td>SEALANT</td>
<td>THIOKOL 2235SL</td>
</tr>
<tr>
<td>OPTIONS</td>
<td>THIOKOL CR Chemical Resistant Joint Sealant System adds PolySpec 196BA and PolySpec 196SL</td>
</tr>
<tr>
<td></td>
<td>THIOKOL DC Dual Containment Joint Sealant System adds THIOKOL RLP 2378+ and Engineering Fabric</td>
</tr>
</tbody>
</table>

PERFORMANCE DATA

| TENSILE STRENGTH (ASTM D - 412) | 200-225 psi |
| ELONGATION (ASTM D - 412)       | 500-550% |
| HARDNESS, SHORE A (ASTM D - 2240) | 20-25 |
| JOINT MOVEMENT                  | ±25% |
| VOC                             | 0.0 lb/gal; 0.0 gm/L |
| VOLUME SOLIDS                   | 100% |

APPROVALS
- MIL-TT-S-0022, Type II, non sag
- ASTM C-920, Type M, Grade SL, Class 25, use NT, M, G, A and O

BENEFITS
- Retains elasticity even as concrete moves; maintains flexibility over time
- Resists mild acids, alkalies and petroleum products
- Resists effects of sunlight, rain, snow, ozone, aging, shrinkage and cyclic temperature changes, even after years of service
- Contains no volatile solvents
- Self-leveling for ease of application

RECOMMENDED USES
Concrete expansion joints:
- Bridges
- Roadways
- Warehouse floors
- Secondary containment dike walls & floors
- Tank chine seals
- Concrete panels

GENERIC DESCRIPTION: Polysulfide Sealant

STANDARD COLORS: Gray

PACKAGING: 1.5-Gallon Unit

COVERAGE:

<table>
<thead>
<tr>
<th>JOINT SIZE</th>
<th>COVERAGE PER GALLON</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” W x 1/4” D</td>
<td>154 linear ft</td>
</tr>
<tr>
<td>1/2” W x 1/2” D</td>
<td>77 linear ft</td>
</tr>
<tr>
<td>3/4” W x 1/2” D</td>
<td>51 linear ft</td>
</tr>
<tr>
<td>1” W x 1/2” D</td>
<td>38 linear ft</td>
</tr>
<tr>
<td>1” W x 3/4” D</td>
<td>25 linear ft</td>
</tr>
</tbody>
</table>

Coverages are theoretical only.
INSTALLATION STEPS

SYSTEM 1: THIOKOL 2235SL HP High Performance Joint Sealant System

1. Prime surface with THIOKOL 5050 Primer. See data sheet for application details.
2. Install a backer rod into joint(s); the backer rod should be compressed 25%. When a backer rod is not feasible, bond breaker tape is acceptable. **NOTE:** Ideally, the joint depth should be one half the joint width.
3. Add Component B to Component A and mix at slow speed (250–300 RPM) with a 1/2” drill 2 part sealant mixing paddle until material is completely blended. Scrape down sides of container and mixing paddle periodically during mixing, thorough blending of the components is essential for maximum performance of the sealant. **NOTE:** Typical mixing time is 3–4 minutes.
4. THIOKOL 2235SL is supplied in a self-leveling consistency that will pour or gun easily with conventional caulking equipment. Fill joint above backer rod. **NOTE:** Proper width to depth ratios must be maintained.
5. Before the sealant cures, pull all tape.

SYSTEM 2: THIOKOL 2235SL CR Chemical Resistant Joint Sealant System

1. Perform steps 1–5 of THIOKOL 2235SL HP System, above.
2. Apply PolySpec 196BA Bonding Agent. Must be left open for chemical reaction for 16 hours. See data sheet for application details.
3. Using masking or duct tape, mask off edges of the expansion joint, leaving 1/4” to 1/2” of the concrete or adjacent coating exposed.
4. Apply two coats of PolySpec 196SL. See data sheet for application details. **NOTE:** The second coat can be applied 20 to 30 minutes after the first coat.
5. Pull masking tape 10–15 minutes after the second coat is applied.

SYSTEM 3: THIOKOL 2235SL DC Dual Containment Joint Sealant System

1. Perform steps 1–5 of THIOKOL 2235SL HP System, above.
2. Abrasive blast concrete surface 4” on each side of the expansion joint.
3. Using duct tape, mask off the concrete 3” on both sides of the expansion joint.
4. Prime the prepared concrete surface with THIOKOL 5050 primer.
5. Prepare and apply one 20 mil coat of THIOKOL RLP 2378+ by roller. See data sheet for application details.
7. Saturate the fabric with an additional 20 mil coat of RLP 2378+.
8. Before the coating cures, pull all tape.

For best results, clean tools and equipment with MEK or xylenes. Always wear gloves when using this product.

C / DOC 2235SL-TDS

© Copyright 2018 ITW Polymers Sealants North America, Inc. All rights reserved. Published technical data and instructions are subject to change without notice. Please visit the online catalog at www.polyspec.com for the most current technical data and instructions. Or, you may contact your ITW Polymers Sealants North America, Inc. representative for current technical data and instructions.

Any recommendation or suggestion relating to the use of the products made by ITW Polymers Sealants North America, Inc. whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable, however, the products and information are intended for use by buyers having requisite skill and knowledge in the industry, and therefore it is for the buyer to satisfy himself of the suitability of the products for its own particular use, and shall be deemed that buyer has done so, at its sole discretion and risk. Variation in environment changes in procedures of use, or extrapolation of data may cause unsatisfactory results. ITW Polymers Sealants North America, Inc. can not guarantee that color will conform to sample, if provided.

ITW POLYMERS SEALANTS NORTH AMERICA, INC. 111 S. Nursery Road • Irving, TX 75060 Phone: +1 972 438-9111 • Fax: +1 972-554-3939 • www.polyspec.com