

DESCRIPTION

Thiokol 2236 is a high performance, non-sag, 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

• Primer	PolySpec Primer 3-5 mils (concrete) / 2-3 mils (steel)
• Backer Rod	Customer supplied
• Sealant	Thiokol 2236

PERFORMANCE DATA

Tensile Strength (ASTM D-412).....	130-170 psi
Elongation (ASTM D-412).....	275-350%
Hardness, Shore A (ASTM D-2240).....	20-30
Joint Movement.....	± 25%
VOC.....	0.00 lb/gal; 0.00 gm/L
Volume Solids.....	100%

STORAGE & INSTALLATION

Storage Environment.....	Dry area, 65–80°F
Application Temperature, ambient.....	50–95°F
Application Temperature, substrate.....	Minimum 5°F above dew point
Shelf Life.....	1 year
Pot Life, @ 77°F.....	40 minutes
Tack Free, @ 77°F.....	2-3 hours
Full Cure, @ 77°F.....	3 days

Material cures more slowly at cooler temperatures, and working time will be substantially reduced at higher temperatures. In hot weather, material should be cooled to 65°F to 80°F prior to mixing and application to improve workability and avoid shortened pot life. The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.

CONSIDERATIONS & LIMITATIONS

1. Do not thin with solvents unless advised to do so by PolySpec.
2. Confirm product performance in specific chemical environment prior to use.
3. Prepare substrate according to “Surface Preparation” portion of this document.
4. Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest or inhale. Refer to Material Safety Data Sheet for detailed safety precautions.
5. For industrial/commercial use. Installation by trained personnel only.
6. Joint sealant will resist effects of sunlight, however, it may yellow slightly if exposed to direct sunlight during the cure time of the sealant.
7. Not recommended for pools with water temperatures in excess of 100°F (38°C).

THIOKOL®

2236

TECHNICAL DATA SHEET

Swimming Pool Polysulfide Joint Sealant, Non Sag

BENEFITS

- Retains elasticity even as concrete moves; maintains flexibility over time
- Resists mild acids, alkalies and petroleum products
- Easy 1:1 mix ratio
- Resists effects of rain, snow, ozone, aging, shrinkage and cyclic temperature changes, even after years of service
- Contains no volatile solvents
- Resists normal pool chemicals

RECOMMENDED USES

- Fountains
- Reflection Pools
- Swimming Pools

APPROVALS

- MIL TT-S-00227, Type II, non-sag
- ASTM C-920, Type M, Grade NS, Class 25, Use NT, M, G, A and O

GENERIC DESCRIPTION

Polysulfide Sealant

STANDARD COLORS

White

PACKAGING

¼ -Gallon Unit

COVERAGE

JOINT SIZE	COVERAGE PER UNIT
1/2" W x 1/4" D.....	115 linear ft
1/2" W x 3/8" D.....	77 linear ft

Coverages are theoretical only.

SURFACE PREPARATION

Concrete: Apply only to clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants.

- *New concrete should be cured a minimum of 28 days.*
- *Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed.*
- *Remove any laitance or weak surface layers.*
- *Concrete should have a minimum surface tensile strength of at least 300 PSI per ASTM D-4541.*
- *Surface profile shall be CSP-3 to CSP-5 meeting ICRI (International Concrete Repair Institute) standard guideline #03732 for coating concrete, producing a profile equal to 60-grit sandpaper or coarser. Prepare surface by mechanical means to achieve this desired profile.*

Steel: For immersion service, “White Metal” abrasive blast with an anchor profile of 2–4 mils in accordance with Steel Structures Painting Council Specification SP-5-63 or NACE No. 1 is required. For splash and spillage exposure, “Near White” SP-10-63 or NACE No. 2 is required.

Refer to PolySpec Surface Preparation Guidelines for more details.

C-1R:1H / DOC 2236TDS

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INSTALLATION STEPS

BASE SYSTEM: Thiokol 2236 Swimming Pool

1. Prime surface with PolySpec Primer. See data sheet for application details.
2. Install a backer rod into the joint; 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 2-3 minutes.
4. Thiokol 2236 is supplied in a non-sag consistency that will gun easily with conventional caulking equipment. Fill joint completely. Non-sag sealants should be tooled with a suitable sealant spatula with a rounded tip similar to the 258 series by Albion to provide a concave finish thereby creating the desired hour-glass configuration. Spatulas should be slightly wider than the width of the expansion joint. The sealant mixing paddle, bulk caulk gun and spatulas can be purchased through PolySpec.
NOTE: Proper width to depth ratios must be maintained.
5. Immediately after application, dry tool the sealant using a tooling stick or spatula. Use light pressure to ensure positive and complete contact of the sealant to the joint surfaces. Tooling the bead in a concave shape helps achieve the desired hour glass shape of the finished bead.
NOTE: Care must be taken to avoid contamination of open joints. Blocking may be required.
6. Joint sealant will resist effects of sunlight, however, it may yellow slightly if exposed to direct sunlight during the cure time of the sealant.

For best results, clean tools and equipment with PolySpec® All Purpose Cleaner, a nonflammable and non-evaporating cleaner. Always wear gloves when using this product.

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