

EAMIC THIOKOL 2235M

High Chemical Resistance Polysulfide Sealant

Product Description

EAMIC THIOKOL 2235M is a high performance, chemical resistant elastomeric joint sealant. Due to its high poly-sulfide polymer content, it is resistant to many chemicals, shrinkage, aging, thermal stress and the effects of outdoor exposure.

Typical Applications

- It is intended for use in concrete expansion joints, in warehouse and out-doors applications.
- It resists the effects of sunlight, rain, snow, ozone, aging, shrinkage and seasonal changes of temperature, even after years of service, specially in costal areas.
- It is used in process and storage areas exposed to mild acids, alkalis and petroleum products.
- It seals joints in bridges, road- ways, warehouse floors, dike walls.
- It has the unique ability to maintain its flexibility even in outdoor applications where other sealants may become rigid, disband or lose their flexibility

Product Features

- Retains elasticity even as concrete moves.
- Contains no volatile solvents.
- Resistant to harsh weather conditions

Standards

EAMIC THIOKOL 2235M complies with the requirements of ASTM C-920, BS 4254 and US Federal Specification: TT-S-00227e

Limitations

- Do not apply in temperatures less than 5°C or greater than 35°C. (Material cures slower at cooler temperatures and working time will be substantially reduced at higher temperatures). Both components should be stored in a dry place at temperatures between 19°C and 26°C
- Do not thin with solvents.
- Confirm product performance in specific environment prior to use.
- Substrate temperature must be at least 5°F above the dew point.

Standard Colour

Bronze Gray Colour.

Guide For Application

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.

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, as verified by an elcometer test. Surface profile should 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.

Technical Properties

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| Appearance | Bronze, Grey Thixotropic liquid, rubbery consistency after curing. |
| Solid Content | 100 % (Solvent free) |
| Tensile Strength, (ASTM D- 412) | 150 -200 psi |
| Shrinkage | Nil |
| Elongation, (ASTM D-412) | 500 - 550% |
| Hardness, -Shore A (ASTM D-2240) | 25 – 30 |
| Vertical Creep | Nil |
| Joint Movement | ±25% |
| Pot Life @ 77°F (25°C) | 1 Hour |
| Tack Free @ 77°F (25°C) | 6 Hours |
| Full Cure | 7 days |
| Service range 0-70°C | Pass |

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Surface Preparation (Steel)

For steel surfaces, a "White Metal" abrasive blast with an anchor profile of 2 -4 mils in accordance with Steel Structure Painting Council Specification SP-5-63 or NACE No. 1 is required for immersion service.

For splash and spillage exposure, a Near White", SP-10-63 or NACE No. 2 is required.

Installation Procedures

1. Install a backer rod or other type of bond breaker into the joint. Ideally the joint depth should be one half the joint width.
2. Add component B to component A and mix at slow speed (250-300 RPM) with a " drill and a jiffy mixing paddle until material is completely blended. Typical mixing time is 3-5 mins. Scrape down sides of the container and mixing paddle periodically during mixing. Thorough blending of the components is essential for max. performance of the sealant
3. EAMIC THIOKOL 2235M is supplied in a non-sag consistency which will gun easily with, conventional caulking equipment. Fill joint completely. Proper width to depth ratio must be maintained.
4. Tooling is required immediately after application to ensure full contact with the joint interfaces. Dry tooling is preferred. Care should be taken to avoid contamination of open joints. Blocking may be required.
5. For best results, clean tools and equipment with EAMIC Solvent, a non-flammable and non-evaporating cleaner.
Always wear gloves when using this product.

Packaging

1.5 Gallon Recommended Joint Thickness

Health and Safety

- Always use protective clothing, gloves and goggles consists with OSHA regulations during use.
- Avoid eye and skin contact.
- Do not ingest.
- Refer to Material Safety Data Sheet for detailed safety precautions.

Warranty

We warrant our products to be of good quality & manufactured to rigid standards. This Warranty is in lieu of any & all other warranties expressed or implied.

This data sheet is published for information only. It is believed to be correct but no liability is accepted for it or the suitability of the product for any particular purpose.

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EAMIC TRETOL

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