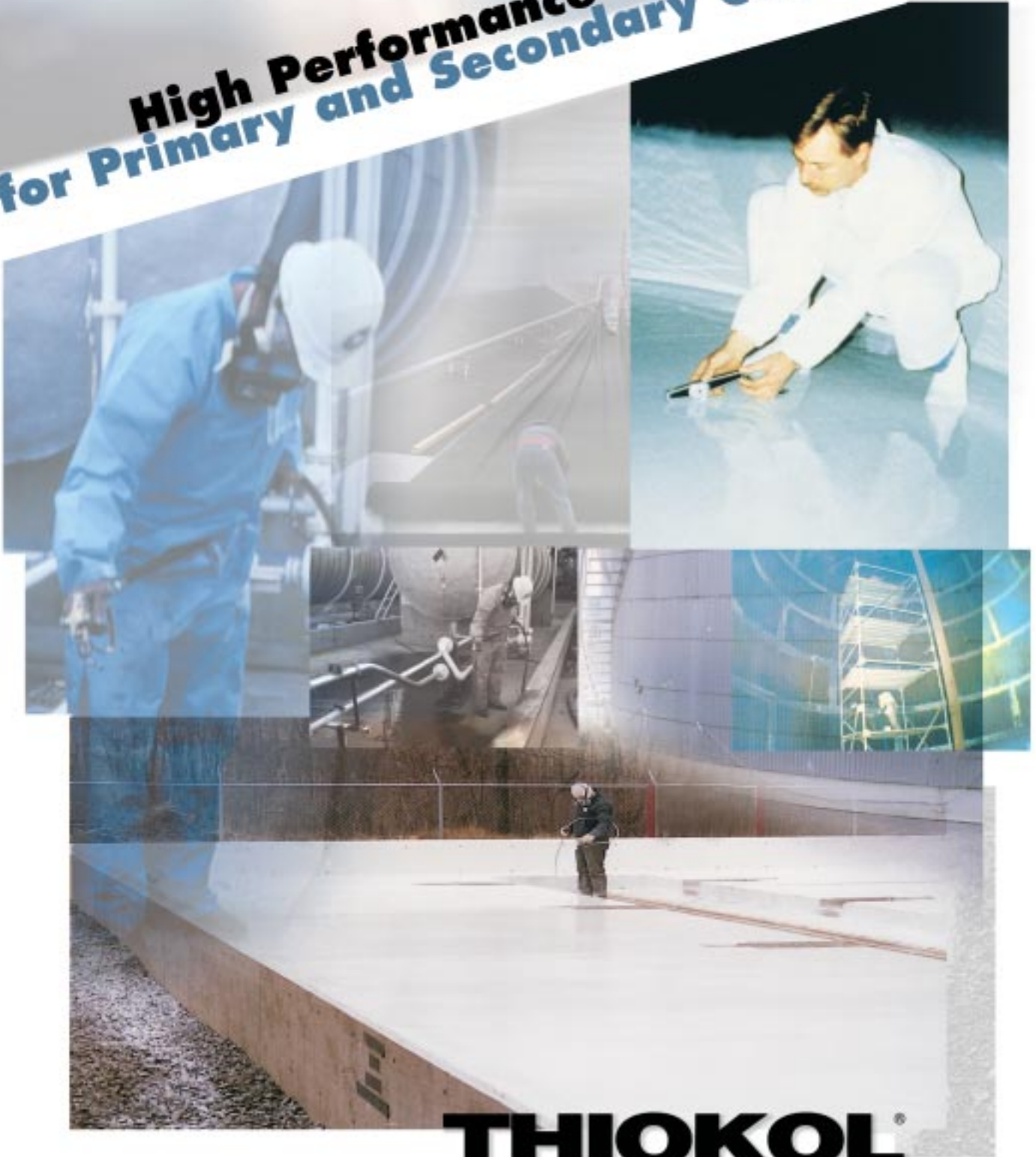


High Performance Coatings for Primary and Secondary Containment



THIOKOL®



The name **THIOKOL** has long been synonymous with elastomeric polysulfide based coatings and sealants that offer long-term protection. The advantages of coatings and sealants formulated with liquid polysulfide polymers derive from their excellent UV resistance and weatherability; being able to remain flexible down to -65° F and their outstanding fuel and solvent resistance.

PolySpec has expanded the **THIOKOL** product line to include coatings that are resistant to even more aggressive chemicals. These chemical resistant coatings offer long-term protection from intermittent and continuous exposures to acids, caustics, solvents and fuels.

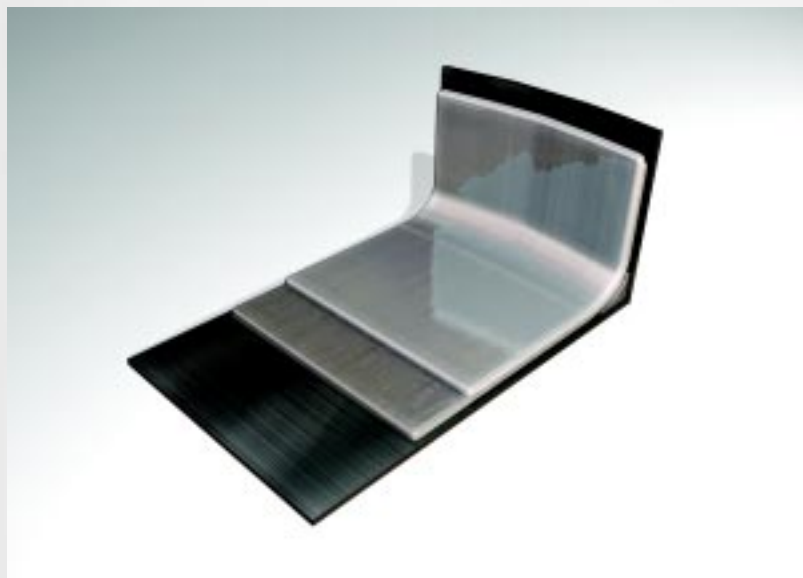
THIOKOL coatings are now being used extensively for primary containment such as chemical process and storage tanks, underground and aboveground fuel storage tanks and concrete sumps. Because of their crack-bridging ability they are also ideal for use in secondary containment concrete dikes.



THIOKOL FNEC Flexible Novolac Epoxy Coatings

Traditionally, novolac epoxy coatings have been known for their outstanding chemical resistance, yet they become brittle, which can lead to cracking and poor adhesion. This limitation can be a problem when coating surfaces subjected to thermal expansion and contraction.

To overcome this limitation, THIOKOL FNEC coatings are “flexibilized” using a unique blend of novolac epoxy and polysulfide polymer. The resulting coatings combine the best properties of both materials, giving them outstanding toughness and abrasion resistance, yet superior chemical resistance in comparison to standard epoxy products.



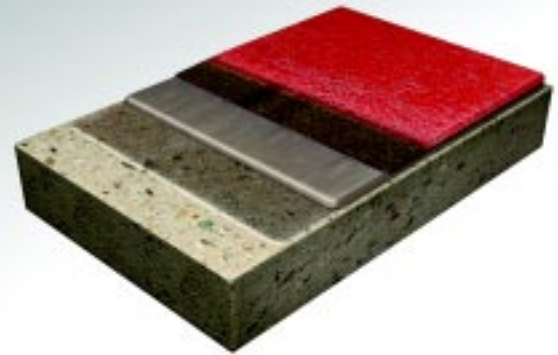
- **Chemical process and storage tanks**
- **Truck and rail loading and unloading areas**
- **Railcar linings**
- **Ship ballast and fuel tanks**
- **Secondary containment dikes**
- **Floors in process areas exposed to chemical spills**

THIOKOL FEC

Flexible Epoxy Coatings

The same “flexibilizing” concept used for FNEC coatings is also used to provide toughness in bisphenol A epoxy coatings. These products provide superior resistance to impact, chipping, cracking and abrasion.

They are best used in areas subjected to mechanical abuse and vibration and can provide non-skid protection with the addition of aluminum oxide or rubber granules.



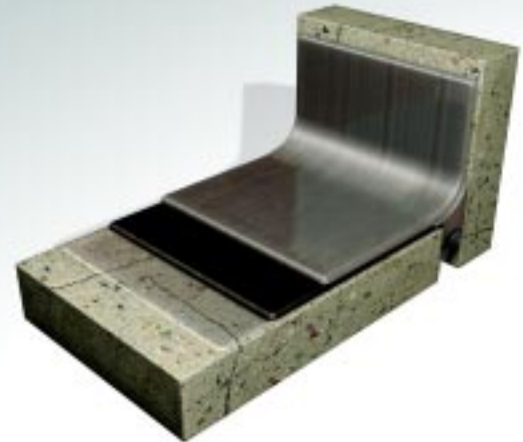
- **Loading dock floors** • **Manufacturing and warehouse floors**
- **Vehicle service bays** • **Drum storage areas** • **Mechanical equipment rooms**
- **Water park and recreational floors** • **Secondary containment dikes**

THIOKOL LPE

Liquid Polysulfide Epoxy

THIOKOL LPE is a revolutionary new technology developed under the federal government’s SBIR innovation research program. This technology takes a unique approach by co-reacting liquid polysulfide with epoxy resins. The result is a highly elastomeric coating that exhibits the toughness and adhesion of epoxy with the elasticity and chemical resistance of a polysulfide.

This coating technology has widespread application including over-coating unsound coated surfaces and coating concrete containment where total crack-bridging is required.



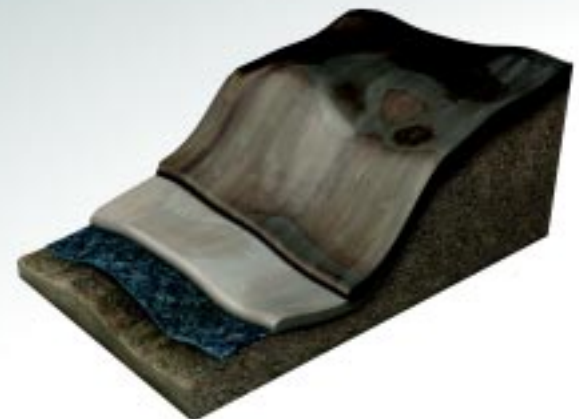
- **Encapsulating unsound surfaces such as leaded paint**
- **Floating roof tank decks** • **Secondary containment dikes**
- **Isolating radon gas in residential and commercial buildings**

THIOKOL RLP

Reinforced Liquid Polysulfide Liner

THIOKOL RLP is a spray-on liner that solves the demand for containment without requiring expensive concrete structures. Instead, levees are constructed out of soil. The earthen containment area is covered with a tough fabric over which the RLP liner is spray applied. Because of the elastomeric nature and UV resistance of this system, it will not suffer from normal expansion and contraction of the earth during the course of the seasons.

The RLP liner system is recommended in earthen dikes and berms where there are many penetrations that would preclude the use of a sheet liner. The spray-applied advantage also eliminates the potential leak points from welded seams.



- **Fuel containment earthen dikes**
- **Cracked concrete surfaces** • **Exterior tank pads**



THIOKOL polysulfide chemistry was invented in the mid 1920s.

In 1940 polysulfide sealants were used for the first time

as sealants in aircraft fuel tanks.



They account for the great majority of polysulfide aerospace

sealants because of their high performance characteristics. They have also been

used successfully to seal airport runways, insulated



glass

and commercial buildings.



In 1998 **PolySpec** purchased from Morton International

the formulation technology and worldwide rights to the **THIOKOL** trademark for use

with its industrial sealants and coatings.

PolySpec is a leading technology



provider of polymer coatings,

linings, floorings and sealants for

construction and corrosion

protection in industrial, institutional, commercial and marine markets.