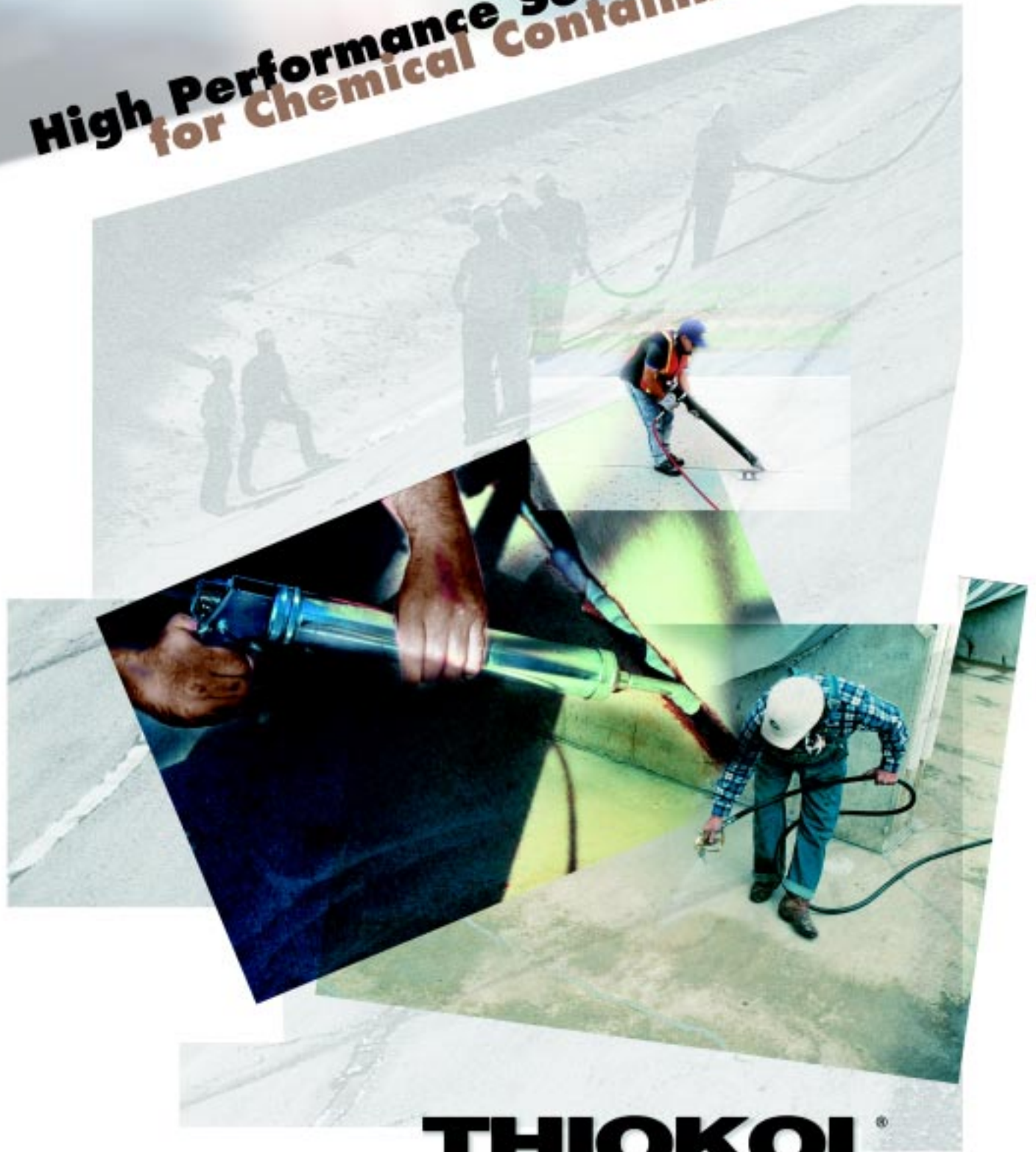


# High Performance Sealant Systems for Chemical Containment



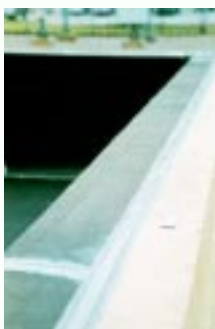
**THIOKOL®**



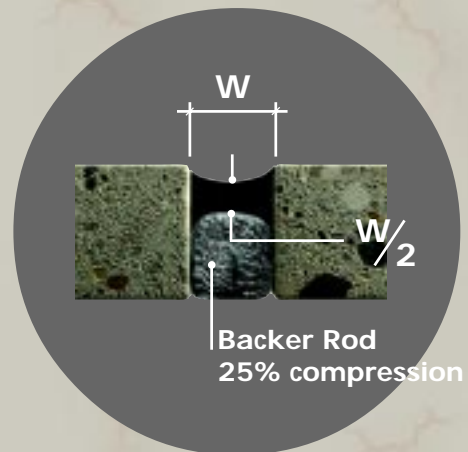
The name **THIOKOL** has long been synonymous with elastomeric polysulfide based sealants that offer long-term protection. These sealants are used in a wide variety of applications including parking decks and bridge decks, reservoirs and canals, tank chimes, warehouse floors and swimming pools.

**THIOKOL** sealants have now been developed for aggressive chemical and fuel containment areas. These chemical resistant sealant systems offer long-term protection from intermittent and continuous exposures to organic and inorganic acids, caustics, solvents and fuels.

PolySpec's **THIOKOL** sealants optimize adhesion, elongation and chemical resistance to provide unsurpassed protection in primary and secondary containment applications.



### Ideal Joint Design



## THIOKOL HP High Performance Sealant System

The "workhorse" of industrial sealants combines high movement capability with excellent chemical resistance. This system resists degradation due to ultraviolet rays and remains flexible at temperatures as low as 65° F. It's fast-curing properties mean shorter turnaround for both new construction and repair applications. This sealant is the standard for expansion joints that require high movement and chemical resistance and is the basis for other THIOKOL sealant systems.

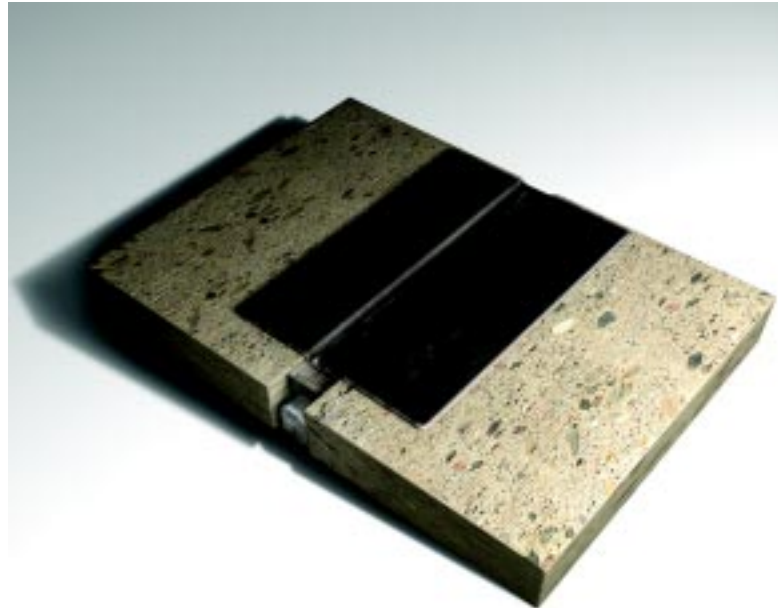
- **Fuel containment dikes** • **Reservoirs and canals**
- **Potable water applications** • **Chemical containment dikes**



## THIOKOL CR Chemical Resistant Sealant System

The most chemical resistant sealant available to the construction industry. This hybrid system combines the elasticity and adhesion of a polysulfide with the extraordinary chemical resistance of a fluoroelastomer. It can resist such chemical immersion as nitric and sulfuric acid, xylene, benzene, chlorine, sodium hypochlorite and chlorinated solvents.

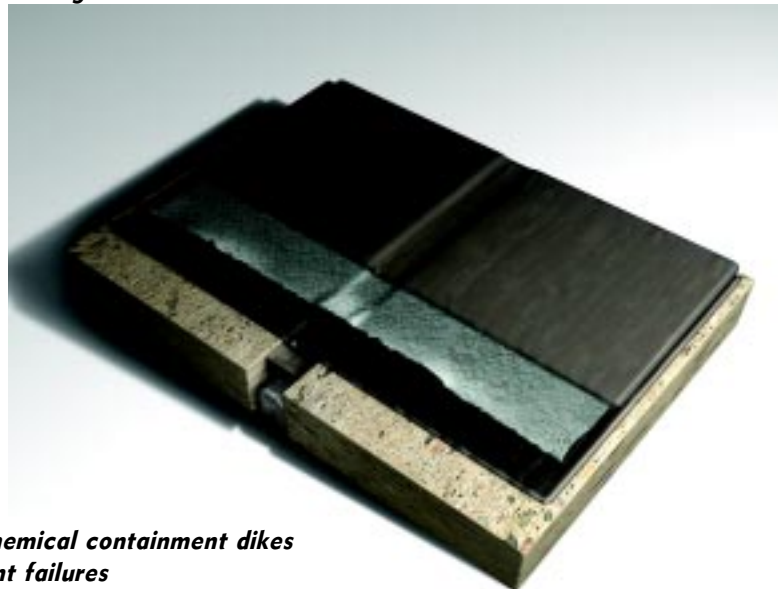
- **Chemical containment dikes exposed to aggressive chemical spills**
- **Chemical process areas in chemical plants and semiconductor facilities**
- **Hazardous waste treatment, storage and unloading areas**
- **Truck and rail loading and unloading areas**



## THIOKOL DC Dual Containment Sealant System

This sealant system offers a "belt and suspenders" approach to areas where existing sealants have partially failed and in areas where an additional seal is required to prevent potential undercutting. A reinforcing fabric is used to improve resistance to tears and punctures. The reinforced polysulfide layer overlaps onto the floor or wall surface to provide an additional barrier to chemicals and a greater bond-line area.

- **Fuel containment dikes** • **Chemical containment dikes**
- **Remediation of partial sealant failures**





**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.