



Product Data

CHEMform REACTIONARY JOINT SEAL

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CHEMform is used to seal joints in utility vaults; above and below-ground fuel containment structures, airport projects, concrete pipe and manholes, septic tanks, grease pits and other high risk applications where fuel and oil might be present. CHEMform provides a permanently flexible watertight seal in environments where hydrocarbon fuels such as gasoline, jet fuel, and/or oil are present. CHEMform's unique swelling reaction allows for an environmentally friendly barrier to protect from off-gases, flow, and leakage of potentially hazardous chemicals into the environment. Its quality adhesion capabilities allows for a strong mechanical and chemical seal to two like or unlike substrates.

Features

- Will not dissolve or decompose when placed in contact with Hydrocarbon Fuels
- Will swell up to 300% when contacted with Hydrocarbon based products.
- Material does not require a designed control joint to function
- Extended product life
- Maintains performance in both extreme hot and cold climates
- Good mechanical and chemical adhesion to dry, clean surfaces
- UV resistant

Advantages and Benefits

- CHEMform can be used in applications where gaskets will come in direct contact with hydrocarbon based products.
- CHEMform will not shrink, harden, or oxidize upon aging, maintaining the integrity of the sealed system extending the life and quality of seal.
- CHEMform reduces the likelihood that the gasket will need to be replaced, before the substrate it is applied to needs replaced.
- CHEMform can be used on equipment which will see dramatic temperature fluctuations or use in extreme climates.
- CHEMform can be used in conjunction with a variety of materials as well as to bridge dissimilar surfaces.
- CHEMform can be used in both indoor and outdoor applications.

Physical Properties

Appearance: Semi-solid

Color: Can be specialty made for your needs; in non-dyed state it is gray.

Cone Pen Viscosity: 105-115

Flash Point: >400 F

Solids by Weight: 99.9%

Specific Gravity @ 77° F: 1.6 (ASTM D-71)

Weight Per Gallon Calculated: 9.97 lbs.



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Chemical Resistance Table

Immersion Testing

CHEMform will have the following typical results when exposed to the following medias when submerged:

Material	Solution Concentration	Results
Gasoline	100%	No Degradation
Jet A Fuel	100%	No Degradation
JP-4 Fuel	100%	No Degradation
Kerosene	100%	No Degradation
Motor Oil	100%	No Degradation
Transmission Fluid	100%	No Degradation
Brake Fluid	100%	Very Slight Swell
Cooking Oil	100%	No Degradation
Mineral Spirits	100%	No Degradation
Methyl Ethyl Ketone	100%	Excess Softening
Toluene	100%	25% Swell
Tri Chlorethane	100%	Excess Softening
Alcohol	100%	No Degradation
Anti-Freeze	100%	No Degradation
Runway De-icers	100%	No Degradation
Cleaning Detergents	100%	No Degradation
Insecticides	100%	No Degradation

Product Sizes (can be specified)

1/2in x 16.67ft coil (23.28 lb)

1-1/2in x 10.5ft coil (40 lb)

1in x 15.5ft coil (50 lb)

Freight Limitations

While in storage or transit, extremes (hot or cold) should be avoided.

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