

Chemical Compatibility Guide for: PIG Blockers and Dikes

This report is offered as a guide and was developed from information which, to the best of New Pig's knowledge, was reliable and accurate. Due to variables and conditions of application beyond New Pig's control, none of the data shown in this guide is to be construed as a guarantee, expressed or implied. New Pig assumes no responsibility, obligation, or liability in conjunction with the use or misuse of the information.

Chemical Compatibility Guide

Guide Applicable to the Following:

SpillBlocker Dikes, Connectors, Corners, PIG Conical Drain Plugs, PIG LeakBlocker Dikes, PIG DoorBlocker Dikes, SpillBlocker Rough Surface Dikes, PIG BellyPatch.

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Due to the nature of soft urethane, the physical properties of these products may change with exposure to certain environmental conditions like temperature, humidity and UV radiation. Please inspect the stored product regularly to ensure it is in a usable state. Do not store or use in temperatures exceeding 120°F(49°C) for an extended period of time. Typical life expectancy of urethane products is about five years.

Sealing properties may be compromised when exposed to chemicals that may be absorbed, causing swelling.

Degradation may result from chemical incompatibilities. Discolouration or degradation may occur.

Periodically inspect products when in use for proper seal.

Ratings/Key or Ratings – Chemical Effect

Degradation - Any physical change in the material: Swelling, discolouration, delamination, curling, etc.

Degradation Rating - 0 = None; 1 = Slight; 2 = Significant

Seal - Any change to the seal between the blocker and the sealing surface

Seal Rating - 0 = None; 1 = Slight; 2 = Significant

Overall Compatibility - The material's ability to resist chemical degradation and maintain a seal

Overall Compatibility Rating - Good = Can withstand 4 or more hours of chemical exposure

Note: Blocker products that have been chemically degraded may be considered hazardous waste because of their mixture with a hazardous liquid. Dispose of in accordance with local requirements.

Due to variables and conditions beyond our control, New Pig cannot guarantee that this product(s) will work to your satisfaction. To ensure effectiveness and your safety, we recommend that you conduct compatibility and absorption testing of your chemicals with this product prior to purchase. For additional questions or information, contact New Pig.

Chemical Name	Chemical Class	Degradation Rating	Seal Rating	Overall Compatability Rating	Comments
Hydrochloric Acid (18.5%)	Inorganic Acid	0	0	Good	
Hydrogen Peroxide (30%)	Peroxide	0	1	Good	After four hours one section of the seal was compromised 50%
Sodium Hydroxide (40%)	Inorganic Caustic	0	0	Good	
Sulfuric Acid (50%)	Inorganic Acid	0	0	Good	
Xylene	Aromatic Hydrocarbon	0	0	Good	
*Gasoline	Petroleum Hydrocarbon	0	0	Good	
*Antifreeze	Glycol Ether	0	0	Good	
*Diesel Fuel	Petroleum Hydrocarbon	0	0	Good	

Tests were run per New Pig Corporation Test Procedure #0002; *except those marked with an asterisk which were run using New Pig Test Procedure #0003. All tests exposed each chemical to a drain cover for a minimum of four hours.