

Chemical Compatibility Guide for: PIG Drive-Over DrainBlocker Drain Cover

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.



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Chemical Compatibility Guide

Guide Applicable to the Following:

PIG Drive-Over DrainBlocker Drain Cover

Guide Information:

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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.

Ratings/Key of Ratings – Chemical Effect

Degradation — Any physical change in the material: Swelling, discoloration, 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 Compatability — The material's ability to resist chemical degradation and maintain a seal

Overall Compatability Rating — Good = Can withstand 4 or more hours of chemical exposure

Fair = Can withstand 2–4 hours of chemical exposure

(ER) Emergency Response = Can withstand 30 min. to 2 hours of chemical exposure

(NR) Not Recommended = Not recommended for use with this chemical

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 Federal, State and Local requirements.

Chemical Name	Chemical Class	Degradation Rating	Seal Rating	Overall Compatability Rating	Comments
Acetone	Ketone	1	0	Good	EPDM and urethane had slight swelling after four hours
Chlorine Standard Solution (1000ppm)	Halogen	0	0	Good	
Ethanol (95%)	Alcohol	0	0	Good	
Hydraulic Fluid	Aliphatic Hydrocarbon	0	0	Good	
Hydrochloric Acid (18.5%)	Inorganic Acid	0	0	Good	
Hydrogen Peroxide (30%)	Peroxide	0	0	Good	
Isopropyl Alcohol	Hydroxylic Compound	0	0	Good	
Mineral Oil	Petroleum Hydrocarbon	0	0	Good	
Chlorine Bleach (5% Sodium Hypochlorite)	Inorganic Halogen	1	0	Good	Urethane discolored and became tacky after four hours
Sodium Hydroxide (40%)	Inorganic Base	0	0	Good	
Sulfuric Acid (50%)	Inorganic Acid	1	0	Good	Urethane discolored and became tacky after four hours
Xylene	Aromatic Hydrocarbon	1	0	Good	EPDM had slight swelling after four hours
*Gasoline	Petroleum Hydrocarbon	1	0	Good	EPDM had slight swelling after four hours
*Antifreeze	Glycol Ether	0	0	Good	
*Diesel Fuel	Petroleum Hydrocarbon	1	0	Good	EPDM had slight swelling after four hours



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