

RECOMMENDED USE DEFINITIONS

IMMERSION SERVICE (Most Severe) - IS

Suitable for continuous contact with chemical exposure up to specified temperature.

CARGO IMMERSION - CI

Suitable for continuous contact with chemical exposure up to specified temperature. Coating will show no effect except slight softening or color change after 2 months or less continuous immersion (may also be used in transport and hauling situations).

SECONDARY CONTAINMENT - SC

Suitable for continuous contact with chemical for up to 72 hours. EPA regulations require removal within 48 hours or in as timely manner as possible. Softening or discoloration may occur during the exposure.

FREQUENT CONTACT - FC

Suitable for frequent splash or up to 72 hours exposure to concentrated vapors. The coating will show no effects except slight softening or color change after eight hours continuous immersion in the liquid chemical or 72 hours exposure to the vapor.

OCCASIONAL CONTACT (Least Severe) - OC

Suitable for occasional splash and spillage or occasional exposure to concentrated vapors. The coating shows no effects, except slight softening or color changes, following short exposure to splash or spillage which evaporates, is hosed off, or dried overnight or, 24 hours exposure to vapor.

NOT TESTED - NT

NOT RECOMMENDED - NR

PLEASE CALL - PC

Chemical resistance information herein is provided for the purpose of establishing a general profile of the coating. Test performance results were obtained in a controlled environment and the Tnemec Company makes no claim that these tests, or any other tests, accurately represent all environments. Application, environmental and design factors, chemical temperatures, and chemical mixtures can significantly impact coating performance, so due care should be exercised in the selection and use of the coating. Contact your Tnemec representative to review full project details before coating is selected.

PERMA-SHIELD® MCU | SERIES 446

Chemical	Intended Use (Maximum Temperature Listed)				
	Occasional Contact	Frequent Contact	Secondary Containment	Cargo Immersion	Immersion Service
Hydrogen Sulfide	100°F (38°C)	100°F (38°C)	100°F (38°C)	100°F (38°C)	100°F (38°C)
Methane Gas	100°F (38°C)	100°F (38°C)	100°F (38°C)	100°F (38°C)	100°F (38°C)
Methanol (Methyl Alcohol)	NR	NR	NR	NR	NR
Water (fresh, non-potable)	100°F (38°C)	100°F (38°C)	100°F (38°C)	100°F (38°C)	100°F (38°C)

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