

PVC COMPATIBILITY TABLE

PVC with a protective proofing layer (PES/PVC)

Resistance levels:

+ (resistant)
coating remains
intact

o (limited resistance)
coating could change after a
time (at least 3 hours)

- (no resistance)
coating will be
destroyed

LIQUID SUBSTANCES

SUBSTANCE NAME	CHEMICAL FORMULA	RESISTANCE LEVEL AT THE TEMPERATURE OF 20 °C	RESISTANCE LEVEL AT THE TEMPERATURE OF 60 °C
Acetone	CH ₃ COCH ₃	-	-
Acetonitrile	CH ₃ CN	+	+
Ammonia	NH ₃	+	+
Benzene	C ₆ H ₆	o	o
Tar		-	-
Dimethyl-formamide	C ₃ H ₇ NO	+	+
Ethanol	C ₂ H ₅ OH	o	o
Ethylene glycol	C ₂ H ₆ O ₂	o	o
Ethyl acetate	C ₄ H ₈ O ₂	-	-
Ethylbenzene	C ₈ H ₁₀	+	+
Formaldehyde	CH ₂ O	o	o
Chlorine	Cl	-	-
Chloroform	CHCl ₃	-	-
Transformer oil		+	+
Gear oil		o	o
SAE 40 oil		+	+
Lubricating oil		+	+
Silicone oil		+	+
Turpentine distillates		o	o
Hydrochloric acid	HCl	o	o
Nitric acid	HNO ₃	o	o
Phosphoric acid	H ₃ PO ₄	+	o
Formic acid	HCOOH	o	o

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Acetic acid	CH ₃ COOH	+	o
Sulphuric acid	H ₂ SO ₄	+	o
Sulphurous acid	H ₂ SO ₃	+	o
Isopropyl alcohol	C ₃ H ₈ O	o	o
Methanol	CH ₃ OH	o	o
Methylene chloride	CH ₂ Cl ₂	-	-
Sodium chloride solution 20%	NaCl	+	+
Mercury	Hg	+	+
Hydrogen sulphide	H ₂ S	+	o
Styrene	C ₈ H ₈	+	+
Pentane	C ₅ H ₁₂	+	+
Toluene	C ₆ H ₅ CH ₃	-	-
Salt water		+	+
Water	H ₂ O	+	+
Hydrogen peroxide	H ₂ O ₂	+	+
Kerosene	C ₉ -C ₁₆	o	o

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SOLID SUBSTANCES

SUBSTANCE NAME	CHEMICAL FORMULA	RESISTANCE LEVEL AT THE TEMPERATURE OF 20 °C	RESISTANCE LEVEL AT THE TEMPERATURE OF 60 °C
Ammonium acetate	CH ₃ COONH ₄	+	+
Borax	Na ₂ [B ₄ O ₅ (OH) ₄]·8H ₂ O	+	+
Sugar		+	+
Potassium cyanide	KCN	+	+
Ammonium nitrate	NH ₄ NO ₃	+	+
Calcium nitrate	Ca(NO ₃) ₂	+	+
Phenol	C ₆ H ₅ OH	o	o
Ammonium phosphate	(NH ₄) ₃ PO ₄	+	+
Potassium nitrate	KNO ₃	+	+
Potassium	KOH	+	+
Sodium hydroxide	NaOH	+	+
Ammonium chloride	NH ₄ Cl	+	+



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OPERATING FLUIDS

SUBSTANCE NAME	CHEMICAL FORMULA	RESISTANCE LEVEL AT THE TEMPERATURE OF 20 °C	RESISTANCE LEVEL AT THE TEMPERATURE OF 60 °C
Petrol		o	o
Diesel fuel		o	o
Motor oil		o	o
Methyl tert-butyl ether (MTBE)	C ₅ H ₁₂ O	o	o
Hydraulic oils		o	o



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INTERPRETATION:

+ Resistant Coating remains intact

O Limited Resistance Coating could change after a time (at least 3 hours)

- No Resistance
Coating will be destroyed

PVC: PVC coating with phthalate plasticizers.

The permanent stability can change considerably, according to the degree of the mechanical efforts, temperature or the contamination of the chemical products. Therefore, we cannot guarantee the resistance for all the applications. The reason why we are including these samples of the materials is to be able to examine the values of the behaviour under the mentioned conditions. The compatibility table doesn't fulfill the actual legislation on the polymeric materials for food contact.

NOTICE:

The portable/collapsible bunds are compatible to varying degrees with the substances listed above.

However, given the almost unlimited number of potential combinations of chemicals plus the influence of factors such as concentration and temperature, this list does not claim to be definitive and is only intended for informative purposes in predicting the behaviour of the chemicals concerned.

Compatibility with the listed substances cannot be entirely guaranteed. Neither the manufacturer nor the distributor provides any warranty, nor do they accept any responsibility for resultant damage.

For a reliable estimate of the level of resistance to a specific substance, we recommend you to test small samples using miniature laboratory funnels.

The collapsible berms are not intended for long-term storage of retrieved spilt liquids. They were developed first and foremost for rapid use in emergencies, for capturing hazardous substances during the time immediately before its correct disposal.