PVC COMPATIBILITY TABLE

PVC with a protective proofing layer (PES/PVC)

Resistance levels:

+ (resistant)	o (limited resistance)	- (no resistance)
coating remains intact	coating could change after a time (at least 3 hours)	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_3COCH_3	-	-
Acetonitrile	CH_3CN	+	+
Ammonia	NH_3	+	+
Benzene	C_6H_6	o	o
Tar		-	-
Dimethyl-formamide	C_3H_7NO	+	+
Ethanol	C_2H_5OH	o	o
Ethylene glycol	$C_2H_6O_2$	o	o
Ethyl acetate	$C_4H_8O_2$	-	-
Ethylbenzene	C_8H_{10}	+	+
Formaldehyde	CH_2O	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_3PO_4	+	o
Formic acid	HCOOH	o	o

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LIQUID SUBSTANCES

SUBSTANCE NAME	CHEMICAL FORMULA	RESISTANCE LEVEL AT THE TEMPERATURE OF 20 °C	RESISTANCE LEVEL AT THE TEMPERATURE OF 60 °C
Acetic acid	CH_3COOH	+	o
Sulphuric acid	H_2SO_4	+	o
Sulphurous acid	H_2SO_3	+	o
Isopropyl alcohol	C_3H_8O	o	o
Methanol	CH_3OH	o	o
Methylene chloride	CH_2Cl_2	-	-
Sodium chloride solution 20%	NaCl	+	+
Mercury	Hg	+	+
Hydrogen sulphide	H_2S	+	o
Styrene	C_8H_8	+	+
Pentane	C_5H_{12}	+	+
Toluene	$C_6H_5CH_3$	-	-
Salt water		+	+
Water	H_2O	+	+
Hydrogen peroxide	H_2O_2	+	+
Kerosene	C_9–C_{16}	o	o

PVC COMPATIBILITY TABLE

PVC with a protective proofing layer (PES/PVC)

Resistance levels:

+ (resistant)	o (limited resistance)	- (no resistance)
coating remains intact	coating could change after a time (at least 3 hours)	coating will be destroyed

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_3COONH_4	+	+
Borax	$Na_2[B_4O_5(OH)_4]\cdot 8H_2O$	+	+
Sugar		+	+
Potassium cyanide	KCN	+	+
Ammonium nitrate	NH_4NO_3	+	+
Calcium nitrate	$Ca(NO_3)_2$	+	+
Phenol	C_6H_5OH	o	o
Ammonium phosphate	$(NH_4)_3PO_4$	+	+
Potassium nitrate	KNO_3	+	+
Potassium	KOH	+	+
Sodium hydroxide	NaOH	+	+
Ammonium chloride	NH_4Cl	+	+

PVC COMPATIBILITY TABLE

PVC with a protective proofing layer (PES/PVC)

Resistance levels:

+ (resistant)	o (limited resistance)	- (no resistance)
coating remains intact	coating could change after a time (at least 3 hours)	coating will be destroyed

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)	$C_5H_{12}O$	o	o
Hydraulic oils		o	o

PVC COMPATIBILITY TABLE

PVC with a protective proofing layer (PES/PVC)

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 phtalate 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.