CHEMICAL RESISTANCE CHART

BANDTRANSPORT EUROPE

Good resistance	✓
Limited resistance [1]	○
No resistance	✘
Not known - insufficient evidence	-

[1] Slight weight and dimensional changes after a certain period of time. Possible brittleness.

Chemical	**Type of thermoplastic**					
	PVC (limited oil- and fatresistant)	PVC (oil- and fat-resistant)	PU/SPU	Silicone	Hytrel®	Fabplast® (PE)
Acetaldehyde	✘	✘	✘	○	○	✓
Acetic Acid (Glacial)	✘	✘	✘	✓	○	✓
Acetic Acid (30%)	✓	✓	○	✓	✓	✓
Acetic Anhyride	○	○	✘	○	✘	○
Acetone	✘	○	✘	○	○	○
Alcohols	○	✓	✘	✓	✓	○
Aluminum Chloride	✓	✓	✓	✓	○	✓
Aluminum Nitrate	✓	✓	✓	✓	✓	✓
Ammonium Carbonate	✓	✓	✓	✓	✓	✓
Ammonium Hydroxide	✓	✓	✓	✓	✓	✓
Ammonium Nitrate	✓	✓	✘	✓	✓	✓
Ammonium Phosphate	○	✓	✓	✓	✓	✓
Ammonium Sulfate	○	✓	✓	✓	✓	✓
Animal Fats	✘	✓	✓	○	✓	✓
Asphalt	✘	○	○	✓	✓	○
Barium Chloride	✓	✓	✓	✓	-	✓
Borax	✓	✓	✓	✓	✓	○
Boric Acid	✓	✓	✓	✓	✓	✓

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Butter	○	✓	✓	✓	✓	✓
Calcium Chloride	✓	✓	✓	✓	✓	✓
Calcium Hydroxide	✓	✓	✓	✓	✓	-
Calcium Nitrate	✓	✓	✓	✓	✓	✓
Carbolic Acid	✘	✘	✘	✘	✘	-
Castor Oil	✘	✓	✓	✓	✓	✓
Chlorinated Solvents	✘	✘	✘	○	✘	✘
Chlorine Solutions	○	○	○	○	✘	✘
Citric Acid (5-30%)	✓	✓	✓	✓	✓	✓
Coal	○	✓	✓	✓	-	-
Coconut Oil	✘	✓	✓	✓	✓	✓
Copper Sulfate	✓	✓	✓	✓	✓	✓
Corn Oil	✘	✓	✓	✓	✓	✓
Cotton Seed Oil	✘	✓	✓	✓	✓	-
Denatured Alcohol	○	○	○	✓	✓	○
Diesel Fuel	○	✓	○	○	-	✓
Ethyl Alcohol	○	○	○	✓	✓	✓
Ethyl Cellulose	○	✓	○	✓	✓	✓

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Ethylene Glycol	○	○	○	✓	✓	✓
Fatty Acids	-	-	✓	✓	✓	✓
Ferric Chloride	✓	✓	✓	✓	✓	-
Ferric Sulfate	✓	✓	-	✓	✓	✓
Formaldehyde (37%)	○	○	✘	○	○	✓
Fuel Oils	✘	✓	○	○	✓	○
Furfural	✘	✘	-	✓	-	○
Gasoline	✘	✘	✓	○	✓	○
Glucose	✓	✓	✓	✓	✓	-
Glycerine	✓	✓	✓	✓	✓	✓
Hydraulic Oil	✘	✓	✓	○	✓	-
Hydrochloric Acid(20%)	○	○	✘	○	○	✓
Hydrochloric Acid(37%)	✘	✘	✘	✘	✘	○
Kerosene	✘	✘	○	○	✓	○
Lacquers	✘	✘	✘	✘	✓	-
Lard	✘	✓	✓	✓	✓	-
Limestone	✓	✓	✓	✓	✓	✓
Linseed Oil	✘	✓	○	✓	✓	✓

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	PVC (limited oil- and fatresistant)	PVC (oil- and fat-resistant)	PU/SPU	Silicone	Hytrel®	Fabplast® (PE)
Lubricating Oil	✘	✓	○	○	✓	✓
Magnesium Chloride	✓	✓	✓	✓	✓	✓
Magnesium Hydroxide	✓	✓	○	✓	✓	✓
Magnesium Sulfate	✓	✓	✓	✓	✓	✓
Methyl Alcohol	○	✓	✘	✓	✓	✓
Methyl Ethyl Ketone	✘	✘	✘	○	○	○
Mineral Oil	○	✓	✓	✓	✓	✓
Mineral Spirits	✘	✘	✘	○	✓	-
Molasses	✓	✓	✓	✓	✓	✓
Naptha	✘	✘	○	○	✓	○
Nitric Acid (30%)	✓	✘	○	✘	✘	✓
Nitric Acid (50%)	✘	✘	✘	✘	✘	○
Oil Sands	✘	✓	✓	○	✓	✓
Oil Shale	✘	✓	✓	✓	✓	✓
Ozone	○	○	✓	✓	✓	✘
Paraffin	✓	✓	✓	✓	✓	✓
Peanut Oil	✘	✓	○	✓	✓	✓
Petroleum Oils	○	✓	✘	✓	✓	○

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	PVC (limited oil- and fatresistant)	PVC (oil- and fat-resistant)	PU/SPU	Silicone	Hytrel®	Fabplast® (PE)
Phosphate Ore	✓	✓	✓	✓	✓	-
Phosphoric Acid (30%)	✓	✓	✓	✓	✓	✓
Pine Oil	○	✓	✓	✓	✓	✓
Potassium Chloride	✓	✓	✓	✓	✓	✓
Potassium Hydroxide	○	-	○	✓	✓	○
Potassium Nitrate	✓	✓	✓	✓	✓	✓
Potassium Sulfate	✓	✓	✓	✓	✓	✓
Silicone Oil	✓	✓	✓	✓	✓	✓
Soda Ash	✓	✓	✓	✓	✓	✓
Sodium Bicarbonate	✓	✓	✓	✓	✓	✓
Sodium Bisulfate	✓	✓	✓	✓	✓	✓
Sodium Chloride	✓	✓	✓	✓	✓	✓
Sodium Hydroxide	✘	✘	○	○	✓	✓
Sodium Hypochlorite	○	○	✘	○	✓	✓
Sodium Nitrate	✓	✓	✓	✓	✓	✓
Sodium Peroxide	✓	✓	✘	✓	✓	-
Sodium Phosphates	✓	✓	✓	✓	✓	✓
Sodium Silicate	✓	✓	✓	✓	✓	✓

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	PVC (limited oil- and fatresistant)	PVC (oil- and fat-resistant)	PU/SPU	Silicone	Hytrel®	Fabplast® (PE)
Sodium Sulfate	✓	✓	✓	✓	✓	✓
Sodium Sulfide	✓	✓	✓	✓	✓	✓
Soybean Oil	○	✓	○	✓	✓	✓
Sugar Beets	✓	✓	✓	✓	✓	✓
Sugar Cane	✓	✓	✓	✓	✓	✓
Sulfur	✓	✓	✓	✓	✓	✓
Sulfuric Acid (60%)	✓	○	✘	○	✘	✓
Tar (Bituminous)	○	✓	✓	✓	✓	✓
Tartaric Acid	✓	✓	✓	✓	✓	✓
Tetrachloroethylene	✘	✘	○	○	✘	✘
Toluene	✘	○	○	○	○	○
Trichloroethylene	✘	✘	✘	✘	✘	✘
Trichlorethane	✘	✘	✘	✘	✘	✘
Turpentine	-	○	✘	○	✘	○

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	PVC (limited oil- and fatresistant)	PVC (oil- and fat-resistant)	PU/SPU	Silicone	Hytrel®	Fabplast® (PE)
Ultra-Violet	✓	✓	✓	✓	✓	-
Urea	✓	✓	✓	✓	✓	✓
Urine	✓	✓	✓	✓	✓	-
Vegetable Oils	✘	✓	✓	✓	✓	✓
Vinegar	✓	✓	✓	✓	✓	○
Water	✓	✓	✓	✓	✓	✓
Wood Oils	○	✓	✓	✓	✓	-
Xylene	✘	✘	○	✘	✓	○
Zinc Chloride	✓	✓	✓	✓	✓	✓
Zinc Sulphate	✓	✓	✓	✓	✓	✓

The indications on the list of chemical resistance are based on laboratory tests and practical experiences.
They are applicable at standard climatic conditions of +20 °C and 65% relative humidity.
If substantial deviations from the standard climatic conditions apply, the resistance of the coating can change.
We therefore recommend that you check out our indications yourself in the context of your particular operating conditions.

We cannot accept any warranty for individual case. Subject to change.