Memtech Acoustics

# ACRYLITE® Soundstop
## Chemical Resistance Information

**Transparent Noise Barriers**

**Introduction**
The table below gives an indication of the chemical resistance of ACRYLITE® Soundstop XT noise barrier panels and ACRYLITE® Soundstop GS and GS CC noise barrier panels. Plastic materials can be attacked by chemicals in several ways. The methods of fabrication and/or conditions of exposure of ACRYLITE® Soundstop, as well as the manner in which the chemicals are applied, can influence the final results even for "R" coded chemicals. Some of these factors include:

**Fabrication** – stress generated while sawing, sanding, machining, drilling, and/or forming.

**Exposure** – length of exposure, stresses induced during the life of the product due to various loads, changes in temperatures, etc.

**Application of Chemicals** – by contact, rubbing, wiping, spraying, etc.

This table should be used as only a general guide and, in case of doubt, it should be supplemented by tests made under actual working conditions.

The codes used to describe chemical resistance are:

**R = Resistant**
ACRYLITE® Soundstop noise barrier panels withstand this substance for long periods and at temperatures up to 120°F (49°C).

**LR = Limited Resistance**
ACRYLITE® Soundstop noise barrier panels resist the action of this substance for short periods at room temperatures. The resistance for a particular application must be determined.

**N = Not Resistant**
ACRYLITE® Soundstop noise barrier panels are not resistant to this substance. It is swelled, attacked, dissolved or damaged in some manner.

| Chemical | Code |
|---|---|
| Acetone | N |
| Ammonium Chloride | R |
| Ammonium Hydroxide (Concentrated) | R |
| Aromatic Based Graffiti Removers | N |
| Battery Acid | R |
| Benzene | N |
| Butyl Acetate | N |
| Calcium Chloride (100%) | R |
| Calcium Hypochlorite | R |
| Calcium / Magnesium Acetate | R |
| Citric acid (20%) | R |
| CMAK (Potassium Acetate/Calcium Magnesium acetate) | R |
| Diesel Oil | R |
| Ethyl Alcohol (30%) | LR |
| Ethyl Alcohol (95%) | N |
| Ethylene Glycol | R |
| Gasoline | LR |

| Chemical | Code |
|---|---|
| Heptane | R |
| Hexane | R |
| Hydrochloric Acid | R |
| Ice Ban® UltraTM M | R |
| Isopropyl Alcohol | LR |
| Kerosene | R |
| Lacquer Thinner | N |
| Magnesium Chloride | R |
| Methyl Alcohol (30%) | LR |
| Methyl Alcohol (100%) | N |
| Methyl Ethyl Ketone (MEK) | N |
| Methylene Chloride | N |
| Potassium Acetate | R |
| Sodium Acetate | R |
| Sulphuric Acid (3%) | R |
| Sulphuric Acid (30%) | R |
| Sulphuric Acid (Concentrated) | N |
| Toluene | N |



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