Memtech Acoustics

ACRYLITE® Soundstop
Handling, Maintenance, & Graffiti Removal

Transparent Noise Barriers

Storage
ACRYLITE® Soundstop noise barrier panels are shipped on pallets packaged in polyethylene film overwrap that protects the sheet from dirt and moisture. The overwrap should be left intact during storage to protect the panels. Pallets may be stacked to maximize storage space. If various sizes are stacked horizontally, place larger panels at the bottom to avoid unsupported overhang.

ACRYLITE® Soundstop noise barrier panels are supplied with a protective polyethylene masking on both surfaces. Masked panels must NOT be stored in direct sunlight for prolonged periods of time. Prolonged exposure to direct sunlight may make the masking brittle which can cause the masking to tear upon removal.

ACRYLITE® Soundstop noise barrier panels should not be stored near radiators, steam pipes, or other heat sources, as exposure to excessive heat may soften and deform the panels. Do not store panels near or expose them to solvent vapors that may penetrate the masking and damage the panels' surface.

Removing Masking
The sheet masking should be left in place during most fabrication and installation operations to protect the sheet surface. During installation roll back the masking from the edge to avoid engagement in glazing channels. To remove stubborn masking use only plastic putty knives or scrapers while being careful not to mar the panels surface.

Cleaning
As a result of the production process, ACRYLITE® Soundstop noise barrier panels have a smooth, non-porous surface that is retained even after long-term outdoor exposure. Dirt will not readily adhere to this polished surface, as a result, rain or dew that frequently forms at night, will rinse the sheet clean.

In most cases, ACRYLITE® Soundstop noise barrier panels need no additional cleaning. Should special circumstances make it desirable to clean the panels, cleaning is best accomplished with water using a high-pressure washer. Grease, oil or tar may be removed with a good grade of hexane, aliphatic naphtha, or kerosene. These solvents may be obtained at a paint or hardware store and should be used in accordance with manufacturer's recommendations.

WARNING
DO NOT USE: window cleaning sprays, kitchen scouring compounds or solvents such as acetone, gasoline, benzene, alcohol, carbon tetrachloride, or lacquer thinner. These can permanently damage the panel's surface and/or weaken the panel causing small surface cracks, called "crazing".

Removing Scratches
Fine scratches can be removed by hand polishing. Apply a plastic scratch remover such as NOVUS 2 to a soft flannel pad and rub in a circular motion. When the scratches have disappeared, remove all residue and polish. For deeper scratches, first wet sand lightly with 400 grit "wet or dry" sandpaper, using plenty of water and rinsing the sandpaper frequently. Repeat with 600 grit "wet or dry" then 800 grit "wet of dry" sandpaper then buff with a clean cotton or flannel covering on a rotary buffer and a good automotive grade rubbing compound.

Graffiti Removal
Graffiti can be removed from ACRYLITE® Soundstop noise barrier panels using a graffiti remover recommended on the next page. Although there are many graffiti removers deemed safe by the manufacturer for use on plastics, plastics is a general term and the majority of these removers contain aggressive solvents that can damage ACRYLITE® Soundstop noise barrier panels.

Though procedures may vary by product, basic steps to remove graffiti are as follows:

- Clean the surface with a non-abrasive rag.
- Spray the remover on the graffiti area.
- Allow the remover to soak for 2 to 5 minutes.
- Rinse off with a high-pressure water spray or wipe away with soft (non-abrasive) towels.
- Note that while pressure washing is the fastest removal method it may not be allowed in all jurisdictions as the removed paint may enter the environment.
- In some cases, such as when the temperature is below 55°F, a second application or agitation of the graffiti with a clean soft cloth may be required to remove all of the graffiti.

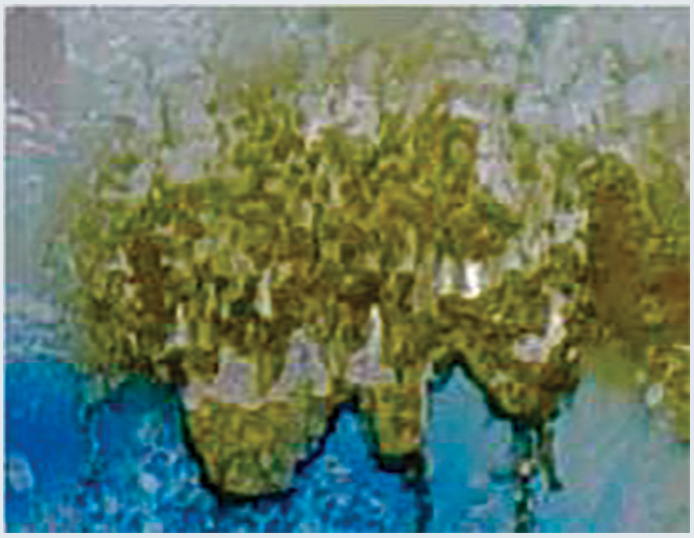
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- Follow final removal with a water rinse and squeegee to remove traces of graffiti remover which otherwise leave an oily residue and contribute to dirt accumulation.

These pictures show ACRYLITE® Soundstop noise barrier panels that were defaced or "tagged" with a solvent-based acrylic modified resin spray paint, and then cleaned with Disappear Organic Graffiti Adhesive Remover. For this test, the remover was sprayed on the graffiti and allowed to soak for 5 minutes prior to spraying with a 2300 psi pressure wash. Maximum recommended pressure is not to exceed 3000 psi. The paint was allowed to cure 25 days prior to removal.



Step 1) Start of Test



Step 3) Close up of graffiti



Step 2) Five minutes after remover is applied



Step 4) After 2300 psi pressure washer rinse

Equipment and Material Suppliers

The following suppliers offer materials and equipment suitable for use with ACRYLITE® Soundstop noise barrier panels:

Graffiti Removers

Disappear Organic Graffiti / Adhesive Remover™
New Dimensions Solutions, LLC
(800) 731-2231
www.ndclean.com

Tagaway® Graffiti Remover
ETS Company
(877) 824-7763
https://www.taginator.com

Earth Friendly Products ECOS PRO Graffiti Remover
Clean Freak
(866) 670-0769
https://www.cleanfreak.com

Anti-Static Cleaners and Polishes

ACRIFIX® AC1010 Acrylic Cleaner
Memtech Acoustics
248.289.1123
https://memtechacoustics.com

20/20 Plastic-Cleaner
Craftics, Inc.
(773) 235-3307
www.craftics.net

NOVUS Plastic Polish
Cleaner (#1), Fine Scratch Remover (#2), & Heavy Scratch Remover (#3)
NOVUS Plastic Polish (Company)
(800) 548-6872
www.novuspolish.com

Wet/Dry Sandpaper

Silicon Carbide (Wet/Dry) Sanding Discs
Kasco Abrasives
(800) 367-7291
https://www.abrasiveproducts.net/

Rubbing Compounds

Turtle Wax Premium Grade (T415) Rubbing Compound
Turtle Wax Inc
(800) 887-8539
https://www.turtlewax.com

Adhesive / Residue Removal

VM&P Naphtha or White (refined) Kerosene
Available at your local hardware store

D&K Unstik Adhesive Releasing Solvent, #470
D&K Group Inc.
1795 Commerce Drive
Elk Grove Village, IL 60007
www.dkgroup.com/product/cleaners/

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Fire Precautions

ACRYLITE® sheet is a combustible thermoplastic. Precautions should be taken to protect this material from flames and high heat sources. ACRYLITE® sheet usually burns rapidly to completion if not extinguished. The products of combustion, if sufficient air is present, are carbon dioxide and water. However, in many fires sufficient air will not be available and toxic carbon monoxide will be formed, as it will when other common combustible materials are burned. We urge good judgement in the use of this versatile material and recommend that building codes be followed carefully to assure it is used properly.

Compatibility

Like other plastic materials, ACRYLITE® sheet is subject to crazing, cracking or discoloration if brought into contact with incompatible materials. These materials may include cleaners, polishes, adhesives, sealants, gasketing or packaging materials, cutting emulsions, etc. See additional Technical Information from Memtech Acoustics for more details, or contact Memtech Acoustics for information on a specific product.

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