

# Lexan\* (Polycarbonate) Sheet

These cleaning recommendations apply to all Lexan polycarbonate sheet products, including Lexan solid sheet and signs, Lexan Margard\* sheet and Lexan multiwall sheet. Periodic cleaning using correct procedures can help to prolong service life. For cleaning, it is recommended that the following instructions be adhered to:

## Cleaning Procedure for Small Areas – Manual

1. Gently wash sheet with a solution of mild soap and lukewarm water, using a soft, grit-free cloth or sponge to loosen any dirt or grime. Aqueous solutions and detergents such as Joy, Fantastic, Top Job, Mr Clean, and Formula 409 have proven to be effective.
2. Fresh paint splashes, grease and smeared glazing compounds can be removed easily before drying by rubbing lightly with a soft cloth using petroleum ether (BP65), hexane or heptane. Afterwards, wash the sheet using mild soap and lukewarm water.
3. Scratches and minor abrasions can be minimized by using a mild automobile polish. We suggest that a test be made on a small area of Lexan sheet with the polish selected and that the polish manufacturer's instructions be followed, prior to using the polish on the entire sheet.
4. Finally, thoroughly rinse with clean water to remove any cleaner residue and dry the surface with a soft cloth to prevent water spotting.

## Cleaning Procedure for Large Areas - Automated

1. Clean the surface using a high-pressure water cleaner (max. 100bar or 1,450psi) and/or a steam cleaner. We suggest that a test be made on a small area, prior to cleaning the entire sheet.
2. Use of additives to the water and/or steam should be avoided.

### Other Important Instructions for All Lexan Sheets:

- Never use abrasive or highly alkaline cleaner on Lexan polycarbonate materials.
- Never use aromatic or halogenated solvents like toluene, benzene, gasoline, acetone or carbon tetrachloride on Lexan polycarbonate materials.
- Use of incompatible cleaning materials with Lexan sheet can cause structural and/or surface damage.
- Contact with harsh solvents such as methylethyl ketone (MEK) or hydrochloric acid can result in surface degradation and possible crazing of Lexan sheet.
- Never scrub with brushes, steel wool or other abrasive materials.
- Never use squeegees, razorblades or sharp instruments to remove deposits or spots.
- Do not clean Lexan polycarbonate in direct sunlight or at high temperatures
- For all mentioned chemicals consult the manufacturer's material safety datasheet (MSDS) for proper safety precautions.

## Care



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# Lexan\* (Polycarbonate) Sheet continued

## Additional Considerations for Multiwall, Corrugated and Sign Sheet

- Cleaners and solvents generally recommended for use on polycarbonate are not necessarily compatible with the UV-protected surfaces of Lexan multiwall, corrugated and sign polycarbonate materials. Always test a small area first.
- Do not use alcohols or butyl cellosolve on the UV-protected surfaces of Lexan sheet.
- Never clean the Dripgard surface of Lexan multiwall and corrugated sheets.

## Graffiti removal from Lexan\* Margard\* coated sheet

- Use butyl cellosolve with a clean, soft cloth to remove paints, marking pen inks and lipstick.
- For stubborn stains, the following organic solvents may be also be used: VM&P grade naphtha, methyl alcohol, ethyl alcohol, isopropyl alcohol, white spirit, heptane, hexene, Turco 5042, and Freon. Afterwards, wash the sheet using mild soap and lukewarm water, then rinse with clean water to remove residue and dry with a soft cloth.
- Masking tape and adhesive tape work well for lifting off old, weathered paints.
- To remove labels stickers, the use of kerosene or petroleum ether (BP65) is generally effective. If the solvent does not penetrate the sticker material, apply heat using a hair dryer to soften the adhesive and promote removal. Afterwards the cleaning procedure for small areas as outlined above should be followed.

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