

# ACRYLIC AND POLYCARBONATE CLEANING, DISINFECTING & CARE INSTRUCTIONS

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Acrylic (aka Plexiglass) and Polycarbonate (aka Lexan) sheets are very durable in many ways. Acrylic has about 15 times greater impact resistance than glass and polycarbonate's impact resistance is about 200 times greater than glass. So they are very strong, however they do scratch easier than glass, so to keep your surface looking clear and scratch-free it's important to clean it correctly.

## WHAT NOT TO DO

Some common ways that are commonly used to clean glass will actually permanently damage your acrylic or polycarbonate panel

- Do not use paper towels (they will scratch the surface)
- Do not use ammonia based products like Windex or other home glass cleaners (they will make the surface cloudy)
- Don't clean in hot sun or high temperatures

## CLEANING INSTRUCTIONS

- Wash using a clean moist micro-fiber cloth dipped in soapy water
- Use only mild detergents like Joy, Top Job and Palmolive liquid
- Rinse well with clean water
- Dry thoroughly with a chamois or moist cellulose sponge
- Don't use brushes and don't scrub the surface, just lightly wipe

## DISINFECTING

- If the surface is dirty, clean and rinse first (described above)
- Wear disposable gloves and discard after use
- Use microfiber cloths – they clean 50% better than similar cotton towels and reduce risk of scratching plastic
- Test the disinfecting solution on a small inconspicuous area before use
- Allow enough contact time after applying disinfectant according to manufacturer instructions

## **DISINFECTANT SOLUTIONS**

Recommended ways to disinfect acrylic and polycarbonate displays:

1. Warm water with gentle dish soap
  - Thoroughly wash the surface for a minimum of 20 seconds
  - Rinse with clean water and dry with microfiber cloth or chamois
2. Hydrogen Peroxide (3-5%)
  - Do not dilute
  - Allow it to remain on the plastic for several minutes
3. Isopropyl Alcohol (70%)
  - Use wipes, sprays or soaked cloths containing at least 70% alcohol
  - Do not dilute
  - Allow it to remain on the surface for at least 30 seconds

*These guidelines are just a service to our customers, based on available information. They do not constitute medical advice. Even if the sanitizing methods described are fully and correctly implemented, we cannot guarantee that they will be effective to prevent the transmission of any disease or infectious agent. Signs Plus Inc. makes no warranty or representation regarding the quality, currency, accuracy, or reliability of any information regarding appropriate infection control practices.*

## **FIXING HAIRLINE SCRATCHES**

If you do develop some minor hairline scratches in your acrylic or polycarbonate panel, they can be minimized with some automobile polishes and plastic polishes such as

- Novus Plastic Polish #1 and #2
- Mirror Glaze Plastic Polish
- Johnston Paste Wax