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## Cleaning Instructions PETG

Sorea PETG products should be cleaned periodically to maintain the beauty and life of the material.

Rinse the sheets with lukewarm water. Remove dust and dirt from PETG with a soft cloth or sponge and a solution of mild soap and/or liquid detergent in water. A 50:50 solution of isopropyl alcohol and water also works well. Rinse thoroughly with lukewarm water.

Always use a soft, damp cloth to blot dry. Rubbing with a dry cloth can scratch the material and create a static charge. Never use scrapers or squeegees on PETG. Also avoid scouring compounds, gasoline, benzene, acetone, carbon tetrachloride, certain deicing fluids, gasoline, lacquer thinner or strong solvents.

### Sorea Recommended Products

Windex, Formula 409, Simple Green, Fantastic, 10:1 Water/Bleach Solution

### **DON'T:**

- Use squeegees or scrapers as they may scratch the sheet.
- Use scouring compounds or solvents such as: acetone, gasoline, benzene, carbon tetrachloride, or lacquer thinner to clean sheet.
- Clean in hot sun or elevated temperatures.
- Use a dry cloth or a cloth of synthetic fiber such as Rayon or polyester as they may scratch the sheet.
- Use cleaners around edges or holes where the cleaner can wick into the interlayer

### **DO:**

- Use warm water, mild detergent and a soft cloth or chamois.
- Blot Dry with a slightly damp soft cloth or chamois.
- Keep cleaner one inch away from stand-offs or other mounting hardware

Note: If cleaning material is found to be incompatible in a short-term test, it will usually be found to be incompatible in the field. The converse, however, is not always true. Favorable performance is no guarantee that actual end-use conditions have been duplicated. Therefore, these results should be used as a guide only and it is recommended that the user test the products under actual end-use conditions.

### **REMOVING SCRATCHES:**

Unlike other thermoplastics, light surface scratches can be easily removed from PETG by applying heat from a simple heat gun (found in most hardware stores). Apply heat gradually with a gentle sweeping motion, applying the heat evenly with several passes lengthwise over the scratch(es). Avoid overheating; this may cause warping or thermal stress in the part. To avoid overheating or damaging the sheet, care should be taken

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to not focus the heat in a constant position. A suitable distance between the heat source and the sheet along with rapid movement of the heat source over the scratched area are important factors in this technique.

Though this technique works for light surface scratches, deep scratches or gouges in the material's surface are not suitable for repair by this method. It is advised to always test a small section of the piece prior to proceeding

### Pressure Washing (Exterior use)

Pressure washing can also be an effective way to remove miscellaneous debris from surfaces of Sorea PETG. Pre-soak panels with a light water spray to loosen and remove incidental surface debris. It is recommended that the water pressure for cleaning PETG be 1,500 psi or less. PETG is a tough material but can be damaged if high pressure is concentrated in a single position too long. Use a gradual sweeping motion over the application. Never concentrate water spray in a single position. Pressure nozzle should never be positioned closer than 6" from the panel surface.

Test a portion of the sheet before spraying. If test piece shows any signs of material fatigue, or abrasion - discontinue pressure washing and proceed with manual cleaning instructions as described above.

Coated or painted parts are not suitable for pressure washing as finish may be stripped off. Pressure washing is not suitable for PETG panels that have been edge sealed. If using detergent, use mild detergents only. Rinse sheet with light water spray after washing.

### **DO NOT:**

- Concentrate spray in single position
- Use more than 1,500 psi
- Position pressure nozzle closer than 6" from panel.
- Proceed with pressure washing if test piece shows detrimental effects to panel.
- Pressure wash PETG panels that have been painted or coated to maintain coating integrity.
- Pressure wash PETG panels with sealed edges to ensure edge seals remain intact.

If debris or dirt is not removed by pressure washing, attempt to clean with manual procedures described in preceding section.