Sorbothane® ADHESIVE RECOMMENDATIONS

The following information is advisory only. The user must verify the suitability of any combination of materials for the intended service.

- Sorbothane® is a thermoset, polyether-based polyurethane.
- Sorbothane® has high surface energy compared to many other polymers. This generally indicates a readiness to bond with the right adhesives.
- Sorbothane® is not a foam.
- Sorbothane® is non-porous.
- Sorbothane® contains plasticizers.

A number of adhesives will breakdown upon exposure to the trace amounts of free plasticizers found in Sorbothane® and other similar polymers.

In house, Sorbothane, Inc. uses Loctite 401 and 3M Scotch-Weld EC100 for gluing.

Because Sorbothane® is non-porous, adhesives which require “air cure” after the parts are joined, will probably not cure (or cure only on air-exposed edges of the joint) if used to bond two sheets of Sorbothane® or to bond Sorbothane® with another non-porous material. These adhesives may cure when bonding Sorbothane® to a breathable material.

In the absence of contradictory information, one can reasonably assume Sorbothane® bonds with the same materials as other non-foam, non-porous, high-plasticizer polyurethanes. Correspondingly, solvents in glues, which cause problems for other polyurethanes will probably also degrade Sorbothane®. When in doubt, perform suitable testing.

Sorbothane, Inc. uses silicone-based mold release agents for most components. The surface silicone must be removed prior to attempting a bond. Parts can be washed with mild detergents, rinsed with clean water and air-dried. Alternately, rubbing the surface lightly with alcohol will clean off the silicone. Do not soak parts in water or alcohol prior to assembly.