

Best Practices for Constructing Furniture and Cabinetry with SIMONA® HDPE Boat Board®

SIMONA® Boat Board® cabinet-grade sheet materials exhibit exceptional consistency, dimensional stability and flatness in fabrication. Discover how easy it is to machine and assemble long-lasting products using SIMONA Boat Board for your next outdoor project by following these simple guidelines.

+ Use standard wood- and metal-working equipment.

High speed tools are recommended.

+ Use blades and bits designed by leading tool manufacturers, such as Onsrud Tool and Vortex. Follow their recommendations for machining 'soft plastics.'

+ Use sharp tools to avoid over-heating. Plastics are insulating materials, and not good heat conductors. Clear away machining swarf and dust frequently to prevent build-up, binding and scorching. Cool with compressed air or water to help minimize overheating and improve productivity.

+ Use carbide-tipped tools to yield a better surface and longer tool life. Standard tool steels also work well.

+ Factor in thermal expansion and contraction. Depending on the temperature of the end-use environment, you should factor in the possibility for expansion and contraction. This will ensure good fit and proper fastening.

+ Use screws designed specifically for plastics for the best results. Most types of fasteners and "tapping" screws also work.

+ Use threaded inserts, especially in applications that see repeat, dynamic use, such as hinges or doors.

+ Conduct a pre-production trial to make adjustments and ensure a good finish without chipping, scorching or melting the material.

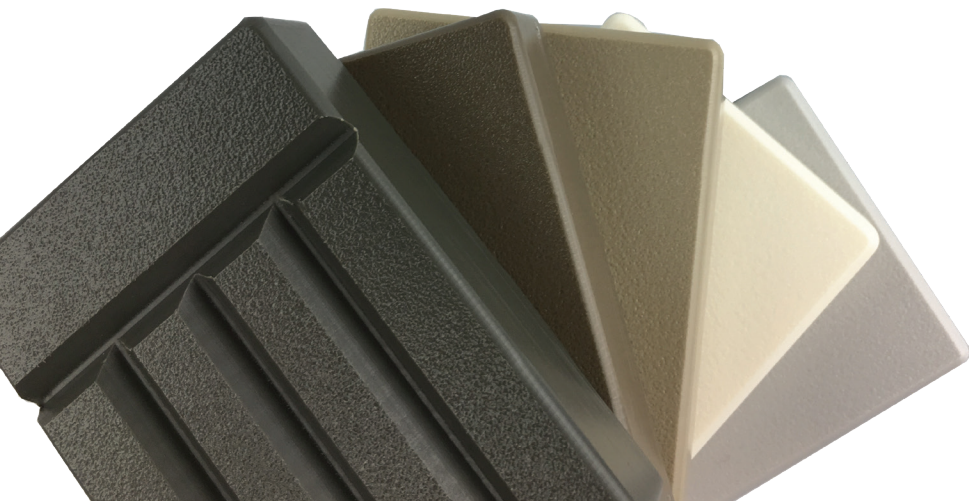
+ Use stainless steel hardware and fasteners. This will provide long-term corrosion resistance and rust prevention for outdoor and moisture-prone environments.



+ Take Advantage of Our Technical Services

We offer diverse application and specification expertise, in addition to hands-on fabrication and welding support. Schedule a dedicated training seminar at your facility to learn how to get the best results when working with SIMONA materials.

Download the full fabrication guide and thermal expansion and contraction worksheet at www.simona-america.com.



To request a sample, or place an order with a SIMONA AMERICA Industries distributor, email sales@simona-america.com or call **+1 866 501 2992**.