

UltraGlas®

How UltraGlas
is Made

rev. 6.1.6

Insights

News and Information for Architects and Designers

Hand-made
components
for all
architectural
glass
applications





how **UltraGlas** is made

UltraGlas is a product of heat “slumping” — this technology, originally developed in Europe, was engineered for architectural-scale production and introduced to the U.S. marketplace, during the mid-1980’s by UltraGlas CEO, Jane Skeeter.

Heat slumping subjects standard “float glass,” “art glass,” “wired glass,” or virtually any glass to a range of very specific temperatures. Float glass is what we normally think of as standard glass panes, available in a variety of thicknesses, sizes and colors. In manufacture, it is floated, in molten form, over a bath of molten tin to attain a virtually clear polished surface. This replaced the old “plate glass,” which was made in sheets and then had to be polished to remove imperfections.

To create UltraGlas — float glass is cut and fabricated to size and shape, including any required holes or hardware notches, and then placed atop a hand-carved mold — the material of which has been designed to withstand very high kiln temperatures. The application of heat relaxes the glass, allowing it to “slump” into and over the exact contours and textures of the mold itself. The glass is then allowed to cool slowly in the mold (this is called “annealing”).

If required by safety codes — the annealed-slumped glass may then be tempered. Any desired special finishes may also be applied to, or performed on, UltraGlas components — such as a surface frost, virtually any fired-in opaque or translucent color or colors, back-silvering, and/or a wide variety of applied materials. UltraGlas can be laminated for flooring, bent or curved, or insulated for thermal and/or sound barriers.

Finished components — are cleaned and crated, in specially constructed wooden crates, for shipment anywhere in the world. **What can UltraGlas do for you?**



UltraGlas Inc

9200 Gazette Ave., Chatsworth CA 91311
v: 800.777.2332 f: 818.772.8231
UltraGlas.com sales@ultraglas.com