



Make your own durable Moulds for Kiln Formed Glass

Introducing a new, affordable solution for creating high-quality, durable moulds for your kiln-formed glass art. Now, you can slump your glass into or over moulds that are as unique as your creative vision.

Pal Tiya is a specially designed product for sculptors and mosaic artists. It's lightweight yet incredibly strong, perfect for crafting structurally stable forms. Easy to shape and mold, Pal Tiya can also withstand repeated firings in your kiln at slumping temperatures, making it the ideal choice for your next glass project.

Tested under studio conditions

The goal was to create a truly unique mould—one that stands out with complexity and individuality, offering an alternative to the often costly, mass-produced molds typically available for slumping glass.

Pal Tiya is incredibly easy to mix right in your studio, using simple ratios as outlined in the manufacturer's instructions. Once mixed, the mould is set aside for 24 hours, wrapped in plastic to cure. This slow release of water is what gives Pal Tiya its impressive strength. With a thickness ranging between 5-8mm, Pal Tiya molds are self-supporting, ensuring durability and reliability for your glass slumping projects.

For the first firing, I followed a standard mould-drying cycle commonly used by casters when heating damp plaster molds in the kiln.

I recommend starting your slumping schedule by gradually heating the mould to 600°C (1112°F) at no more than 100°C per hour. Once you reach this temperature, hold it for 30 minutes. During this stage, open the bungs.

After completing this step, you can proceed with your regular slumping cycle.

For this project, I set the slumping temperature to 680°C (1256°F).

In subsequent firings, I continued using my usual ramp rates and hold times, ensuring consistent results.

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"While we encourage creative exploration, any use beyond our approved guidelines is at the user's own discretion and is not covered under our warranty."

