

Successfully slumping a high sided mould in a plugin kiln

High sided moulds like the 8134 can be successfully used in plugin kilns. However, due to the small distance between the glass and the elements, specific firing schedules are required. All schedules will need to be tested and adjusted to your specific kiln and the specific mould you are using. This sheet provides a benchmark firing for 2x 3mm thickness of Bullseye Tekta in a 8134 mould.

Process

1. To prepare for the first firing, clean the glass using glass cleaner and paper towel.
2. Cut thinfire to about 1cm larger than the glass and place the glass on the shelf.
3. Fire using our 'Basic Full Fuse' with a top temperature appropriate for your kiln. The result should be flat with small seed bubbles and a slightly bumpy surface.
4. For the slump firing, place the mould on the kiln floor on 6mm fibre tabs or small props for air flow. The glass needs to sit on the inside edge of the mould.
5. Fire using our 'Basic Slump' with a top temperature appropriate for your kiln.
6. To obtain the best finish the glass should end up kissing the base of the mould.
7. The final product will have some devit where the glass was touching the mould.

Firing 1 - Basic full fuse schedule

Rate 222°C → to Temp 677°C → Hold 0.30 min
 Rate 333°C → to TOP Temp (**see below**)°C → Hold (**see below**) min
 Rate 999 °C → to Temp 482°C → Hold 60 min
 Rate 56°C → to Temp 371°C → Hold 0.01 min - END
 Tip: To check your kiln for a correct firing, use the Warm Glass UK 'kiln test kit'

Firing 2 - Basic Slump schedule

Rate 167°C → to TOP Temp (**see below**)°C → Hold (**see below**) min
 Rate 999°C → to Temp 482°C → Hold 60 min
 Rate 56°C → to Temp 371°C → Hold 0.01 min

Skutt Firebox 14 –

Basic full fuse schedule - Top Temp (790)°C → Hold (5) min

Basic Slump schedule - Top Temp (615)°C → Hold (0) min

Hot Start Pro –

Basic full fuse schedule - Top Temp (795)°C → Hold (10) min

Basic Slump schedule - Top Temp (640)°C → Hold (0) min

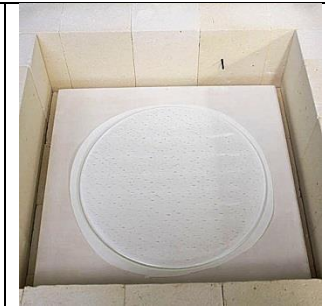
Hobbyfuser –

Basic full fuse schedule - Top Temp (795)°C → Hold (10) min

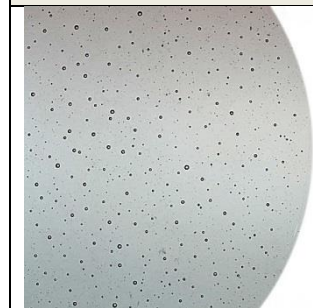
Basic Slump schedule - Top Temp (640)°C → Hold (0) min



Clean the glass



Fire to a basic full fuse



The result of the first firing



Place the mould in the kiln



The glass sits on the inside edge



Before slumping



After slumping



Finished product