












## ART CLAY FIRING CHART

These are the manufacturer's recommended minimum firing times and temperature for the different Art Clay types. A lot of metal clay artists now fire their pieces at the highest possible temperature for a longer time, as this ensures a very strong, fully sintered, finished piece.

I usually work with ACS 650 regular or Slow Dry. If I fire a piece without any heat-sensitive material, I would fire it at about 780 - 800°C for 45 min. Most lab-created stones are fine at this temperature.

	Firing Temperature / <u>Minimum</u> holding time (Kiln firing)								Other Methods		
	650°C 1202°F	700°C 1292°F	750°C 1382°F	780°C 1436°F	800°C 1472°F	850°C 1562°F	870°C 1598°F	990°C 1814°F	Stove top	Gas torch	
ACS 650 	30min.	15min.	10min.	5min.		/			YES		
ACS 650 Slow Dry 	30min.	15min.	10min.	5min.					YES		
Overlay Silver Paste 	30min.	15min.	10min.	5min.	0min.	/					
(Fire from cold kiln)											
ACS Slow Tarnish 	/				30min.	/			YES		
ACS Original 					30min.				20min.	10min.	YES
ACS Paper type 	/				30min.	20min.	/			NO	
(Holding time / Fire from cold kiln)											
ACS Oil Paste 	/				30min.	10min.	/			NO	
ACG Clay type 					/						60min.
ACG Paste type 	<u>Application on fired metal clay</u> 500°C → 800°C / hold 5min.										YES
<u>Application on porcelain surface</u> Cold kiln → 800°C → switch off → cool to under 100°C before removing									NO		
<u>Application on glass surface</u> Cold kiln → 800°C / hold 5min. → crash cool to 550°C → close kiln door → leave to cool to room temperature											



## ART CLAY DRYING CHART

The times below are the minimum recommended drying times by the manufacturer. If you added water to the piece when you made it, or it is larger than the test piece, extend the drying time.

The times are based on a test piece of 5gm. The hot air dryer used in the chart is 1200W, held 3-4 cm from the piece.

	Hot air dryer	Hot plate, oven, or kiln	Air dry
ACS 650 	15 min	10 min, at 150°C (302°F)	24 hours
ACS 650 Slow Dry 	45 min	20 min, at 150-180°C (302-356°F)	Not recommended
Overlay Silver Paste 	10 min	10 min, at 100°C (212°F)	60 min
ACS Slow Tarnish 	15 min	10 min, at 150°C (302°F)	24 hours
ACS Original 	15 min	10 min, at 150°C (302°F)	24 hours
ACS Paper type 	No need to dry		
ACS Oil Paste 	30 min	30 min, at 100°C (212°F)	24 hrs
AC Gold Clay type 	15 min	10 min, at 150°C (302°F)	24 hrs
AC Gold Paste type 	(Undiluted) 5 min	Not recommended	(Undiluted) 15 min
	(Diluted) Depends on amount of medium		(Diluted) Not recommended