

# Art Clay World USA

## Rolled Leaf Pendant

This simple procedure for capturing the texture of a leaf or other organic item can be used to decorate rings, earrings, brooches, sculptural items, etc. Finished size depends on shape you choose to create.

### MATERIALS

10 grams Art Clay Silver 650/1200 Low Fire

Straw segment with small round open end

Oval jump ring

Leaf with nice shape or veining on back – This will be the design of your pendant.



### ADDITIONAL TOOLS & SUPPLIES REQUIRED

- Non-stick surface, roller, plastic strips (1 mm) small paintbrush, stainless steel brush (short bristle), small files, 600, 1200 and 2000 grit wet/dry sandpaper, burnisher.
- Firing equipment.
- Cord or chain for finished necklace.

**Drying Methods** – may include hairdryer, oven, or toaster oven set below 250°F, food dehydrator, warming tray. Piece also may be left to dry naturally. (See *Drying Chart*)

**Firing Methods** – include either by electric kiln, hand-held butane torch, or gas stovetop burner. (See *Firing Chart*)

### PROCESS

- ✚ Roll out clay type to a round or oval shape on non-stick surface, using plastic strips to maintain even thickness of 1 mm. If desired thickness is thicker, do not use strips. Do not make pendant thinner than 1 mm or it will be subject to breakage.
- ✚ Place leaf face up on the clay surface. Using the roller and firm, even pressure, roll the leaf into the clay.
- ✚ Using a small straw, make a hole for your jump ring. (If you choose to do this after firing, use a small drill bit with a pin vise.)
- ✚ Dry the piece completely with a hot air dryer, dehydrator, toaster oven (no higher than 250°F!) or at room air for more than 24 hours.
- ✚ Sand the area around the leaf with 600 and then 1200 grit sandpaper. At the dried stage, you may (although not necessary) be able to remove the leaf.
- ✚ Fire by either stovetop, torch, or kiln methods – (see **Firing Chart**).
- ✚ After firing, brush piece well with a stainless steel brush to remove white crystalline coating.
- ✚ Sand with 600, 1200, and then 2000 grit wet/dry sandpaper to bring area around leaf to a mirror finish.  
*Optional Step: Oxidize with Liver of Sulfur to bring out detail.*
- ✚ After oxidizing (if chosen to do so), rub surface around leaf with metal polish and polishing cloth to enhance mirror shine.
- ✚ Wash excess polish from piece with baking soda and water. Dry with soft cloth.

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## Drying Chart for Art Clay Series

	Drying Time			
	Hot Air Dryer	Cooking Plate	Kiln	Air Dry
ACS 650	More than 10 min.	More than 10 min. at 150°C / 302°F		More than 24 hrs.
ACS 650 Slow Dry	More than 45 min.	More than 20 min. at 150-180C / 302-356°F		Not recommended
Overlay Silver Paste	More than 10 min.	More than 10 min. at 100C /212° F		More than 60 min.
ACS Basic	More than 15 min.	More than 10 min. at 150C / 320°F		More than 24 hrs.
ACS Basic Slow Dry	More than 45 min.	More than 20 min. at 150-180C / 302-356°F		Not recommended
ACS Paper type	No need to dry			
ACS Oil Paste	More than 30 min.	More than 30 min. at 100C /212° F		More than 24 hrs.
AC Gold Clay type	More than 15 min.	More than 10 min. at 150C /320° F		More than 24 hrs.
AC Gold Paste type	(Undiluted) More than 5 min.	Not recommended		(Undiluted) More than 15 min.
	(Diluted) Depending on the medium amount.	Not recommended		(Diluted) NO

- Test pieces used for this chart are in 5g clay volume.
- Hot air dryer used for this chart is 1200W and 3-4 cm from the drying pieces.

## Firing Chart for Art Clay Series

	Firing Temperature / 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.				WHEN USED WITHOUT GLASS OR CERAMICS		
ACS Basic	(Holding time/ Fire from cold kiln)				30min.						20min.
ACS Basic Slow Dry					30min.	20min.	10min.	YES			
ACS Paper type					30min.	20min.				SMALL PIECES, I.E. APPLIQUE ON GREENWARE	
ACS Oil Paste					30min.	10min.					
ACG Clay type								60min.	ONLY AS PASTE FORM ON ALREADY FIRED SILVER TORCH ONLY		
ACG Paste type	Application on fired ACS 500°C(932°F) → 800°C(1472°F) / hold 5min.								YES	NO	
	Application on porcelain surface Cold kiln → 800°C(1472°F) → switch off → under 100°C(212°F) to take out								NO		
	Application on glass surface Cold kiln → 800°C(1472°F) / hold 5min. → crash cool to 600°C(1112°F) → close kiln door → natural cool to take out										

- Test pieces used for this chart are in 5g clay volume.

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