

Manual Book (Pottery)

1. Clay-strip forming technique

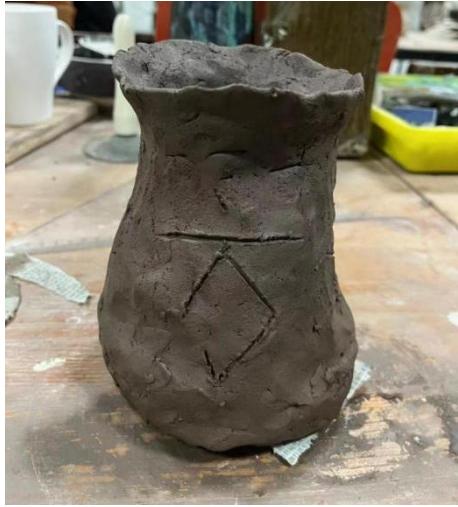
Step 1: Roll out soft clay into long thick strips



Step 2: Make a plate as the base (you can either simply use your hand or use a machine to make the base) and lay strips one on the top of another



Step 3: Smooth the exterior and carve/scratch pattern



Step 4: Drying



Step 5: Engobe coating and decoration



Step 6: Ceramic glaze making

My “secret recipe”:

cobalt 1g + nepheline-syenite 196g + kaolin 140g + calcium carbonate 188g +Silica 212g + barium carbonate 54g + magnesium carbonate 11g + copper carbonate 70g

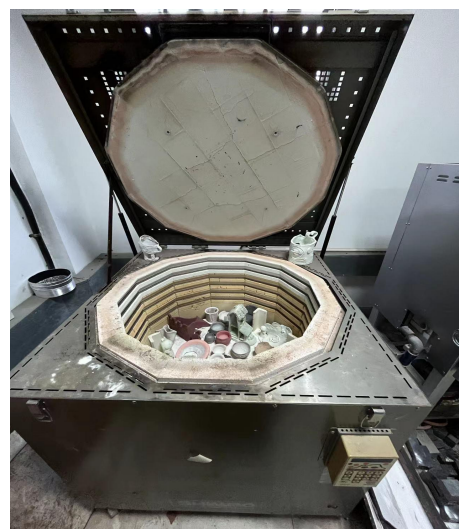
試片與釉色		編號 B89	原稿編號 304-18-44-17	試片與釉色	
樣式	重量百分比	燒成情境與結果			
(Na2O) 0.12	重晶石粉 19.56	1. 釉色代號: B89			
(CaO) 0.70	碳酸鈣 18.79	2. 坯體用土: 台灣陶土			
(Al2O3) 0.10	矽酸鋁 5.36	3. 燒成溫度: 攝氏1215-1245℃			
(K2O) 0.05	矽酸鉀 1.10	4. 燒成條件: 電氣或氧化燒成			
(SiO2) 0.85	高嶺土 34.00	8-10小時定溫30-50分鐘			
(Fe2O3) 3.00	磁石 21.18	5. 釉色分析:			
		(1) 透明度: 不透明釉			
		(2) 光澤度: 無光			
		(3) 色澤變化: 無光灰綠			
		6. 說明: 此釉式的中鹼比例為			
		1:4.6, 所以是無光釉			
		狀態。通常基本釉的中			
		鹼比例在1:7-1:10之間			
		是亮光釉。			
發色劑					
(CuO) 0.5%	氧化銅 3%				



Below is what my glaze looks like



Step 7: Glazing and firing



Voila! This is my cup!



2. Wheel throwing technique

Step 1: Soften and rub the clay outward and inward to form an ox head shape before standing it up and making it a cone (Note: there will be **spiral lines along the clay** if the clay is correctly rubbed)



Step 2: Put the clay on the wheel (Note: the rotation direction of the wheel should be the same as that of clay's spiral) and **align the center of the clay to the center of the wheel**



Step 3: Mold by throwing

- You need to be extremely patient. I failed for at least 20 times.
- Practice practice and practice!)



Step 4: Drying



Step 5: Trim and make round foot



Step 5: Glazing and firing



Voila!

