

Manual Book (Pottery)

1. Clay-strip forming technique (Coiling)

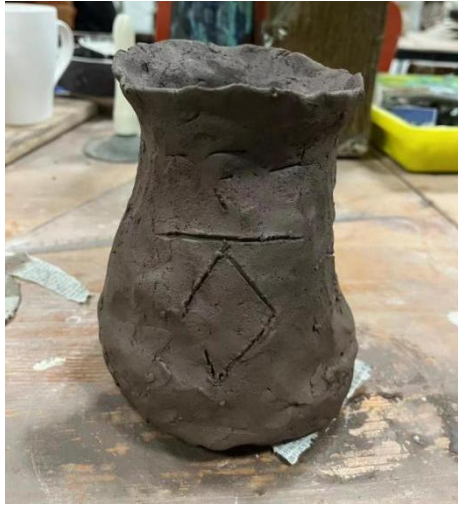
Step 1: Roll out soft clay into long thick strips



Step 2: Make a plate as the base (you can either simply use your hand or use a machine to make the base like what slab building method does) 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

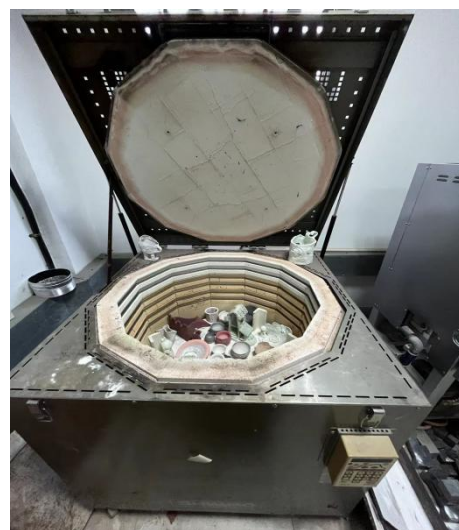
試片與釉色		編號 B89	原稿編號: 304-18-44-17	試片與釉色
成分	重量百分比	燒成情境與結果		
SiO ₂	0.15	1. 釉色代號: B89		
CaO	0.70	2. 坯體用土: 台灣陶土		
Na ₂ O	0.10	3. 燒成溫度: 攝氏1235-1245℃		
K ₂ O	0.05	4. 燒成條件: 電窯或氧化燒成		
Al ₂ O ₃	0.85	5. 8-10%時溫度40-50分鐘		
MgO	3.00	5. 釉色分析:		
Fe ₂ O ₃	1.46	(1) 透明度: 不透明釉		
發色劑		(2) 光澤度: 無光		
CuO	0.5%	(3) 色澤變化: 無光灰綠		
CaCO ₃	3%	6. 說明: 此釉式的中酸比例為 1:4.6, 所以是無光釉狀態, 通常基本釉的中酸比例在1:7-1:10之間是亮光釉。		
Na ₂ CO ₃	5%			



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), get it wet and then **align the center of the clay to the center of the wheel**



Step 3: Mold by throwing

(opening- lifting-shaping -collaring -leveling- folding - cutting -removal)

- You need to be extremely patient to lift the clay. 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!

