

# Cone 6 & Cone 10 Glazing Course

## Shopping & Equipment List

### 1. Raw Materials (Approx. 10 Litres of Glaze)

#### Base Materials

- Potash Feldspar – 10 kg
- Flint (Silica / Quartz) – 5 kg
- EPK Kaolin – 5 kg

Note: Ball Clay may be substituted for part or all of the EPK if preferred. Ball clay adds plasticity and a slightly warmer tone to glaze bases.

#### Fluxes (Melting Agents)

- Whiting (Calcium Carbonate) or Wollastonite – 5 kg
  - Dolomite – 2.5 kg
  - Frit 3134 – 5 kg (or Frit 3195 / 3124 if 3134 is unavailable)
- Notes: 3134 → lower alumina, stronger melt, more fluid; 3195 → higher alumina, more stable, less runny
- Gerstley Borate (optional boron source if frit is unavailable)

#### Modifiers

- Bentonite – 250 g
- Rutile – 500 g
- Titanium Dioxide (optional) – 500 g

#### Colourants

- Red Iron Oxide – 1 kg
- Copper Carbonate – 250 g
- Cobalt Carbonate – 250 g (optional)

#### Opacifiers

- Tin Oxide – 500 g
- Zircopax (Zircon Opacifier) – 1 kg

### 2. Clay Bodies (For Testing)

- Dark / Black Stoneware (Cone 6–10 rated)
- Mid-tone Buff or Speckled Stoneware (Cone 6–10 rated)
- White Mid-range Stoneware (Cone 6–10 rated)

Note: Make sure your clay body is rated to your firing temperature — Mid-range clay for Cone 6 and High-fire clay for Cone 10.

### **3. Equipment**

#### **Measuring**

- Digital scales (0.1 g accuracy)
- Plastic syringes (60–100 ml)
- Measuring jugs (250 ml, 500 ml & 1000 ml)
- Small plastic test cups (approx. 20 ml, 100–250 ml) with measurement markings if possible

#### **Mixing**

- 1L & 5L tubs with lids
- Scoops and spoons
- Stirring sticks or small mixer
- Whisk or Stirring Rod
- 80 mesh sieve (small & large)

#### **Recording & Labeling**

- Notebook (glaze records & results)
- Waterproof labels & permanent marker
- Number Stamp Set (test tiles)
- Underglaze Pencil (Cone 6–10 rated)

#### **Safety**

- Eye protection
- High particulate respirator (P100 recommended)
- Apron or old clothes

#### **Firing**

- Orton Cones 5, 6, 7 (Cone 6 firing)
- Orton Cones 9, 10, 11 (Cone 10 firing)

#### **General Studio**

- Sponges and old towel