

PART 1 — ADOBE BRICK CASTING GUIDE

Follow the casting sequence below for each production run. Target: 200–300 bricks per day for a 2-person team.

✓	Item	Notes
☐	Mould prepared: 2-brick timber mould, 300 × 140 × 100 mm (std), wetted inside	
☐	Mix proportions confirmed: 65–75% soil, 20–25% sand, 5–10% straw (chopped 50 mm)	
☐	Test brick made and passed: no cracks after 3-day air cure	
☐	Mixing pit or pan ready; mix just moist — holds shape, no slump	
☐	Mould filled in two layers; each layer pressed firmly into corners	
☐	Excess mix struck off level with wire or stick	
☐	Mould lifted cleanly; brick left flat for 24 hours before turning on edge	
☐	Bricks stacked on edge after 2 days; shaded from rain and direct sun	
☐	Minimum cure time before use in wall: 28 days in dry conditions	
☐	Bricks tested: no soil scratch deeper than 3 mm with fingernail = ready	

PRODUCTION TRACKER	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Bricks cast					
Bricks cracked / rejected					
Net bricks for use					
Running total					

PART 2 — CLAY-STRAW BALANCE SHEET

Use this to find your site's optimum clay-to-straw ratio. Run 3 test batches and score each.

BATCH #	Clay %	Sand %	Straw %	Water Added	Surface Cracks (1=bad, 5=none)	Scratch Test (mm depth)	Use?
A							☐
B							☐
C							☐

★ Adobe mortar (for laying bricks) should be the same mix as the brick — never use cement mortar on adobe walls.