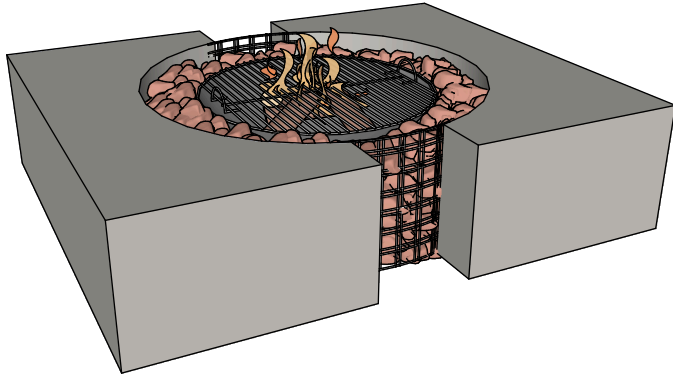


QUADRA FIRE CUBE

a Fu-Tung Cheng Signature Design

NeoMix® D-FRC Project
Instructional Drawings

May 2012 | **CHENG Concrete**



Quadra Fire Cube

Skillset: Advanced

Materials Cost: \$500 - 700

Time:

- 4 hours forming
- 4 hours casting
- 2 hours finishing
- 1 hour installation

Total Weight: 300 lbs. concrete
300 lbs. rock

TOOLS

Form Construction:

- Safety Glasses
- Tape Measure
- Circle Guide (pencil + string)
- Table Saw
- Jigsaw
- Cordless Screw Gun
- Countersink Bit + Phillips Bit
- Chip Brush for Contact Adhesive
- Laminate Roller
- Orbital Palm Sander
- Caulking Gun + 100% Silicone
- CHENG Acrylic Shaping Tools for Silicone

Concrete Mixing:

- Particle Dust Mask / Respirator
- Rubber Gloves
- 7 Gallon Mixing Bucket
- Paddle Mixer
- Trowel

De-Molding:

- Small Pry Bar
- Scrap Foam

Finishing:

- 5" Variable Speed Polisher
- CHENG Hand-Held Diamond Polishing Pads
- 1/2" Drill Bit to drill holes in wok

MATERIALS

Concrete:

- (6) - 50 lb. Bags D-FRC Casting Blend
- (1.2) - Gallons D-FRC Activator
- (4.8) - Gallons Water

Form:

- (1 sheet) - 4' x 8' - 3/4" Melamine
- (51" x 14") - 1/32" Laminate
- (51" x 14") - 1/8" Masonite
- (51" x 28") - 3/8" Bendable Plywood

Fire Pit Interior:

- (1) - 26" Cooking Wok
- (1) - 26" Grill
- (24" x 14") - 2" Welded Wire Mesh
- (100 pounds) - 10" Red Lava Rock
- (200 pounds) - 2" Red Lava Rock

HARDWARE + SUPPLIES:

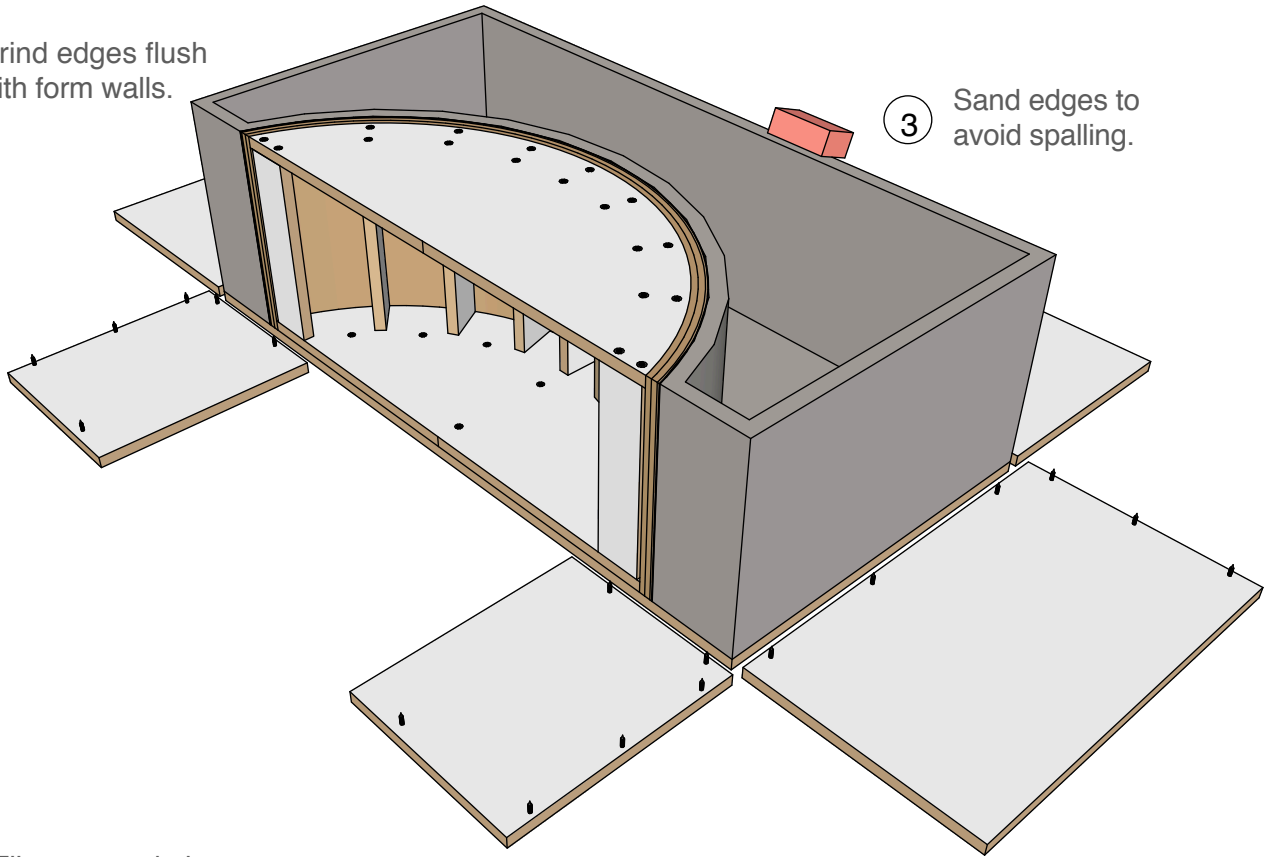
- (40) - 1" Drywall Screws
- (100) - 1-1/2" Drywall Screws
- High Strength Contact Adhesive

STEP 12:
De-Molding

② Unscrew and remove side walls.

① Grind edges flush with form walls.

③ Sand edges to avoid spalling.



④ Flip over and place on scrap styrofoam to protect concrete.

⑤ Remove form base.

