Fibrous Concrete (Papercrete, ConFib)

**Advantages**
- Mixture of water, sand, recycled paper, and Portland cement
- Is economical and environmentally friendly
- Has a high R-value (good insulator), higher than cinder blocks or bricks
- Mixture can be made by people of many ages and skill levels
- Can produce bricks as strong as regular bricks
- Uses any type of paper, though newsprint is most effective
- Used for walls, roof, and mortar
- With more cement and less sand, mixture can be used as plaster
- Covered with a layer of stucco, walls do not absorb water
- Is fire and insect retardant
- Doors and windows can be cut into walls at any time to expand a structure
- Can be made as bricks or slipformed
- Can be made into thin panels and used to insulate walls and roofs
- Can be used for one or two-story structures

**Disadvantages**
- Roof requires wooden lattice or beams, which can be expensive
- Mixture requires a lot of water
- Requires a lot of manual labor
- Large quantities of recycled paper, sand, and water must be transported to the construction site
- Low thermal mass