Foam Bricks

Green B
Displaced People Need Shelter

42.5 Million Displaced Worldwide

The Elements are Rough

Deaths are Preventable
Customizable Foam Bricks Allow for Simple Construction

- Light and Compressible for Easy Shipping
- Lego-Like Structure for Modular Building
- Addition of Water for Cement Strength
A Sponge Will Adsorb Cement

Need for Complete Penetration
Dry Cement and Foam Don't Harden with Water
Ratio of Foam and Cement is Key

Too Little Cement

Foam to Cement Ratio
3:4

Too Much Cement

Foam to Cement Ratio
1:10
Foam Bricks Can Be Saturated with Cement and Molded
A Foam Brick Making Machine Holds the Most Promise

- Reduces Transport
- On Site Brick Construction
- Need to Investigate Foam Matrix Structure
Foam Block
Pack and Ship
Add Cement Vacuum
Repeat

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>9000!
House