



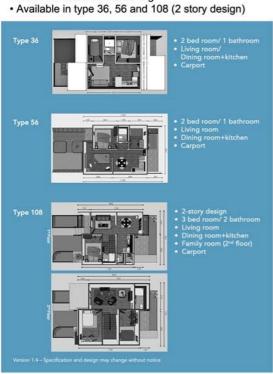
- · Advanced modular prefab home technologies
- Remarkably rapid installation 7 days/unit (b-home[®] Lite/Ultra-Lite)
- More rigid and earthquake-resistant than bricks (b-home®)
- b-home® Lite: economical, suitable for low-cost housing projects with urgent schedule
- b-home® Ultra-Lite: earthquake-resistant ultralight structure, reduces foundation requirement, also suitable for floating homes and projects on soft soil
- Extensive thermal insulation, comfortably cool, and saves A/C electricity
- Prefabricated modules with specific sizes and shapes, significantly reduce project waste



Earthquake - Resistant High-Performance Solutions



- · b-panel®: structurally optimized exo-skeleton monocoque
- · Earthquake, typhoon, and break-in resistant
- Rapid construction without formwork and structural columns, shell completion in 2 weeks (Type 36 & 56)
- Thermal insulation on all wall surface for up to 40% A/C energy savings (thermally-insulated roof with b-deck®)
- Modular set shipped complete, including all panels and steel mesh reinforcements—ready for delivery within 72 hours from ordering







Construction options:

- Panels + steel reinforcements
- Panels + b-deck® insulated roof + steel reinforcement
- Any of the above + b-panel® mix mortar set

Technical specifications:

- Wall height: 3 m

- Wall thickness: 10 cm



Rapid-build Economical Solutions



- Competitive alternative for low-cost housing with urgent schedule
- · Rigidity of wall comparable to bricks
- · Rapid construction within 1 week no need for plaster or skimcoat

Spesifications

- · Wall : ecolite® panel 60 mm
- · Structure: Integrated minor columns
- · Roof: Spanroof AZ-150 0.35 mm,
- FR15R (fire-retardant) b-foam® thermal + noise insulation 40 mm
- Type: 36 and 45

b.home Ultra-Lite Rapid-build lightweight solutions





- Ultralight structure at under 100kg/m2 floorplan, suitable for floating structure and remote locations
- · Rapid construction within 1 week no need for plaster or skimcoat

Spesifications

- · Wall : b-wall® panel 68 mm
- · Structure : Galvalume AZ-150t, G550 (C-75 & C-78 t: 0.7 mm)
- SNI 07-4096-2007, ASTM-A 792(M)-99
- · Roof: Spanroof AZ-150 0.35 mm,
- FR15R (fire-retardant) b-foam® thermal + noise insulation 40 mm
- Type: 36 and 45



	b-home®	b-home® Lite	b-home® Ultra-Lite	Conventional (Bricks)
Monolithic structure / earthquake resistance	11	4	11	x
Weight reduction	4	4	11	x
Full prefab / Semi prefab	1	4	44	x
Project waste reduction / elimination	11	4	11	x
Structural shell installation speed (1 team of 8 crew)	14 day/unit	7 day/unit	7 day/unit	25-30 day/unit
Wall weight	< 150 Kg/m ²	+/- 85 Kg/m²	< 20 Kg/m ²	> 150 Kg/m ²
Building weight per m2 floorplan	+/- 200 Kg/m ²	+/- 150 Kg/m ²	< 100 Kg/m ²	+/- 350 Kg/m ²
Turnkey option	1	4	1	?

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2013 Indonesia Winner - Best SME



Merit Winner - Regional (ASEAN) Category 2012 Singapore Environmental Achievement Award









