

**Scalable Floating Structures Solutions For:
Commercial Space | Restaurant | Recreation Facilities | Jetties**



**Mines Floating Restaurant
Kuala Lumpur-Malaysia**

- ✓ **Ultra-long life** - does not decay/degrade, chemically and dimensionally stable - 30 year load rating warranty
- ✓ **Superior safety factor** - impossible to leak and sink
- ✓ **High buoyancy** (Max Load : 5 Ton/m²)
- ✓ **Environmentally responsible production** - recycled blend, CFC-free, factory pre-cut modules

Technical Specifications

Core : b-foam[®] Construction-grade expanded polystyrene (EPS)
Casing : high-tensile, marine-grade polymer

	Heavy-Duty (HD)	Light-Duty (LD)
Foam core	b-foam® Construction-Grade FR EPS (Expanded Polystyrene), density and blend according to imposed loads	b-foam® Construction-Grade FR EPS (Expanded Polystyrene), density and blend according to imposed loads
Water absorption	< 1% vol/vol after 30 months, < 5% after 15 years (Below grade)	
Dimensional stability	+/- < 2 % (ASTM Test Method D2126)	
Protective casing	High-tensile (20 Mpa) polymer, 1000 micron average on sides, 500 micron average on bottom	High-tensile (20 Mpa) polymer, 500 micron average on sides
Maximum live loads	up to 5 metric tons/m ²	up to 1 metric ton/m ²
Warranty policy	30 years for buoyancy load rating, 10 years for casing	10 years for buoyancy load rating, 1 years for casing
Environmental & chemical stability	Does not contain hazardous pollutants such as Mercury, Cadmium, Lead, and VOCs. Non-leeching to the surrounding waterways. Singapore Green Label certified.	

FLOATING STRUCTURES VS LAND RECLAMATION

Does not require soil and sand to bury



Platform will follow the prevailing water surface (High-Low tide)



Long life, no worry from soil settlement



Less impact on ecosystem
(Reclamation destroys the aquatic life and alter water current pattern)



youtu.be/K9JcB7ybslc

www.b-foam.com/floating



Floating Bridge
Cilacap - Central Java



Floating Jetty
Brunei Darussalam



Floating Jetty
Deiyai Residence - Papua



Floating Jetty Palu Bay
Central Sulawesi



Lembang Floating Market
Bandung



Kahayan Floating Cafe
Palangkaraya - Central Borneo



Floating Water Treatment Platform
PT ATB - Batam Island



Jatiluhur Floating Restaurant
Purwakarta - West Java



Floating Performing Art Stage
Aston Sentul Lake Resort - Bogor



Floating Library
Tambak Lorok - Semarang



Floating Pedestrian Bridge
West Java



PT BETON ELEMENINDO PUTRA

Factory, Headquarters & Showroom

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2013 Indonesia Winner - Best SME



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

BETON WORKS

