



- Advanced Thermal Insulation
- Ultralight Architectural Facades
- Floating Structures
- EPS Geofoam Solutions

PT BETON ELEMENINDO PUTRA

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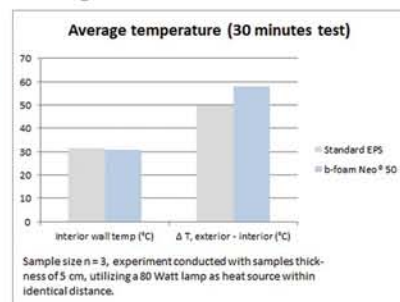
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b-foam Neo® 50

High-performance building thermal insulation

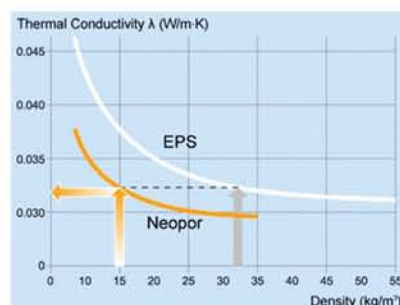
50% Graphite EPS Blend – 15 kg/m³ - 0.035 w/m.k



b-foam Neo® 100

Ultra-high performance building thermal insulation

100% Graphite EPS - 15 kg/m³ - 0.032 w/m.k





Benefits:

- Very light, less than 1/20 of conventional precast facade
- Significantly reduces building loads and improves earthquake safety
- Delivered pre-finished ready to paint
- Rapid installation without requiring heavy machineries

Technical Specifications

Core	Fire Retardant (FR), CONSTRUCTION- GRADE EPS (Expanded Polystyrene) Foam
Casing	Cementitious coating on lock-stitch knitted, UV-resistant and Oxidation-Free Polymer mesh
Finish	Ready to paint, or special order finish





**INNOVATIONS
CATEGORY 2015**

Floating Water Treatment Platform - PT ATB, Batam

Benefits:

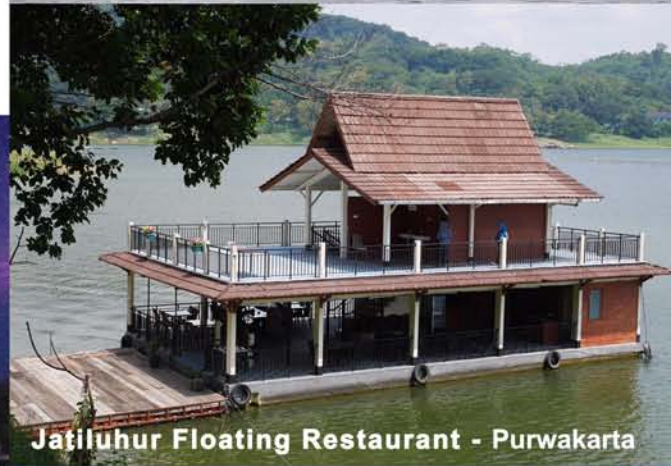
- Ultra-long life – does not decay/degrade (Chemically and dimensionally stable)
- Superior safety factor – Impossible to leak and sink
- High buoyancy
- Environmentally responsible production - recycled blend, CFC-free, factory pre-cut modules

Technical Specifications:

- CONSTRUCTION GRADE Expanded Polystyrene (EPS)
- Gross buoyancy capacity: 500, 830, or 1000kg/m²
- Casing: Flexible polymer - cementitious matrix filler on lock - stitchknitted, UV-resistant and oxidation-free Polymer mesh. (Optional: Marine-Grade Casing)
- Positive-Lock grooves ensures adhesion with concrete casting top



Lembang Floating Market - Bandung



Jatiluhur Floating Restaurant - Purwakarta



Kahayan Floating Cafe - Palangkaraya



Floating Jetty, Palu Bay - Central Sulawesi

Why select b-foam® Geofoam-Grade® EPS for your geof foam solution?

- Produced at own plant, for strict control of raw material quality, production process, uniform density, and blocking dimensional accuracy.
- High production rate and buffer capacity, to cater large infrastructure project needs.
- Internal technical team with competent civil and geotechnical backgrounds, to help ensure the success of your project.
- b-foam® EPS Geofoam-Grade® has been tested using ASTM D6817-07 International EPS geof foam standard

Benefits :

- Very light (Specific mass is 1/50 or just 2% of soil), thus significantly reduces soil settlement and slope failures
- Very high compressive strength compared to its weight, thus can be used for heavy load application
- Super long service life. Does not decay (non-biodegradable) and does not oxidize in air, water and most other natural elements
- Save time (save cost). Super light EPS blocks reduces logistical challenges and increase equipment utilization.
- Precise dimension ensure ease of installation, and does not depend on weather as much.



Tribun Seats, Sports Jabar Arcamanik - Bandung



Bridge Abutment Cikampek - Palimanan Tol Road



Raised Floor Golden Tulip Hotel Pontianak - West Borneo



Retaining Wall Citra Green Dago - Bandung



Wayang Windu Star Energy Geothermal West Java

Technical Specifications:

- Fire Retardant (FR), b-foam® Geofoam-Grade® (GG) EPS (Expanded Polystyrene)
- Available types: GG 12, 15, 19, 22, and 29
- Adheres to ASTM D6817-07 (US standard) or Japan Industry Standard (JIS)

Type	GG12	GG15	GG19	GG22	GG29
Density, min. Kg/m3(lb/ft3)	11.2 (0.70)	14.4 (0.90)	18.4 (1.15)	21.6 (1.35)	28.8 (1.80)
Compressive Resistance, min. kPa (psi) at 1%	15 (2.2)	25 (3.6)	40 (5.8)	50 (7.3)	75 (10.9)
Compressive Resistance, min. kPa (psi) at 5%	35 (5.1)	55 (8.0)	90 (13.1)	115 (16.7)	170 (24.7)
Compressive Resistance, min. kPa (psi) at 10 %	40 (5.8)	70 (10.2)	110 (16.0)	135 (19.6)	200 (29.0)
Flexural Strength, min. kPa (psi)	69 (10.0)	172 (25.0)	207 (30.0)	276 (40.0)	345 (50.0)



Foundation Universitas Pertahanan - Sentul



Raised Floor NPJT 1 TJ Priok - Jakarta