



### Perform Guard® Termite Protection

EPS Geofoam with Perform Guard® for termite protection is made from a patented process using a borate mineral that is a natural deterrent to termites. The mineral is incorporated into the EPS Geofoam during the manufacturing process. This application is approved by the Environmental Protection Agency (EPA) in United States and can be used in water catchment areas.

### About Jebsen & Jessen Packaging

Jebsen & Jessen Packaging, established in 1970 is the regional leader in the design, manufacture and supply of EPS for a wide variety of applications. All the manufacturing facilities in South East Asia are certified with international quality, environmental and safety standards.



For more information, kindly contact  
Jebsen & Jessen Packaging at [sales\\_jjp@jjssea.com](mailto:sales_jjp@jjssea.com)

Singapore : +65 6305 3788  
Malaysia : +60 6 799 2271  
Vietnam : +84 241 363 4321

[www.packaging.jjssea.com](http://www.packaging.jjssea.com)



**JEBSEN & JESSEN**  
PACKAGING



# EPS Geofoam

The perfect lightweight fill material for the construction industry

A member of the Jebsen & Jessen Group of Companies South East Asia.

## EPS Geofoam

EPS Geofoam is manufactured from expanded polystyrene into large lightweight blocks. It has been used in geotechnical engineering applications worldwide for over 50 years.

In the building and construction industry, EPS Geofoam is commonly used in ground fill applications as it is one of the most versatile, cost-effective and lightweight materials with an extremely high structural strength that reduces stress on underlying soil. Traditional fill materials such as foam concrete, soil and wood fibre are heavy and can cause settlement, instability or lateral pressures. Moreover, there are limitations in handling these materials and they are subject to weather sensitivity.

With EPS Geofoam, onsite installation efficiency is maximised as the material is easy to handle and ready to be installed upon arrival in any weather condition. The material can be pre-fabricated or cut at the job site without staging.



## Benefits

- Approximately 100 times lighter than concrete or soil
- Super lightweight: reducing lateral or bearing loads
- Highly stable and strong material with high compressive strength
- Fast installation with no heavy equipment needed
- Inert in long term burial conditions, non nutritive and no leachates
- Predictable engineered performance
- Manufactured to meet ASTM D6817
- Recyclable and environmentally friendly (no CFC, HCFC or formaldehyde)
- Fire Retardant grade and Perform Guard termite protection available

## EPS Geofoam solutions for common geotechnical engineering applications:



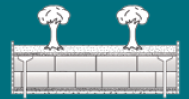
### ROADS & RUNWAYS



Replacing poor quality soft soil with EPS Geofoam for the construction of roads and airport runways.



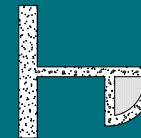
### LANDSCAPING



EPS Geofoam is the architect's ideal solution for roof garden landscaping.



### VOID FORMERS



EPS void formers embedded in the balcony of this luxurious apartment solves structural loading challenges.



### WEIGHT REDUCTION FOR STRUCTURES



EPS Geofoam helps reduce weight and cost of concrete structures.



### RETAINING WALLS



Reducing lateral force on retaining walls using EPS Geofoam. This application saves construction time and overall project cost.



### BRIDGE EMBANKMENT



Using EPS Geofoam to prevent road separation from bridges with minimal maintenance at the joints.



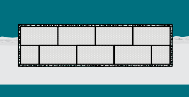
### STADIUM, THEATRE SEATING



The super lightweight, yet high structural strength of EPS Geofoam enables it to be easily stacked for stage and stadium seating construction.



### FLOATING STRUCTURE



The high buoyancy and durability of EPS Geofoam makes it the most popular choice for floatation material for marinas and floating homes.