



# VEGETATIVE ROOFING COMPONENTS

## GEOFOAM INSULATION

Ultralight Geofoam

Product #

# 3191

Our Ultralight Expanded Polystyrene (EPS) Geofoam Insulation is a multi-functional product engineered to provide control of structural integrity and cost effectiveness. Specific to this product, it:

- is **approximately 10% the weight** of other lightweight fill alternatives
- is an **efficient thermal insulator**, retaining its R-Value and strength after exposure to moisture and freeze-thaw cycles; warranted to maintain 100% of its claimed R-value for 20 years
- has a closed-cell structure that **limits water absorption**; exposure to water or water vapor does not cause swelling
- is produced in blocks that can be **easily cut** into various shapes & sizes on site to suit specific project needs
- can be **reground, recycled, and reused** in many composite applications
- can be manufactured with a proven and safe additive that **effectively resists termites**
- is available with a **precut taper** to provide positive drainage



Tiered pricing based on product quantity



8' x 4' sheets are cut to the required thickness  
3,072 BF per Pallet

### TECHNICAL DATA

#### Materials:

- High Compressive Strength / Rot proof EPS with liquid uptake resistance

#### Thermal Resistance (R-Value):

- 3.10 per 1" thickness

#### Moisture Resistance:

- 4% maximum absorption by volume

#### Oxygen Index:

- 24% by volume

#### Flexural Strength:

- 10 lbs. / in<sup>2</sup>

#### Dimensional Stability:

- 2% maximum change in dimension

#### Compressive Resistance:

- 2.2 lbs. / in<sup>2</sup> at 1% strain
- 5.1 lbs. / in<sup>2</sup> at 5% strain
- 5.8 lbs. / in<sup>2</sup> at 10% strain

#### Density / Weight:

- 0.70 lbs. / ft<sup>3</sup>

#### Vegetated Roofing Use:

- Ultralight blue & vegetated roofs
- < 300 lbs. / ft<sup>2</sup>