



# FORTEFY GEOFOAM



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**Fortefy Geofoam** is an expanded polystyrene billet manufactured from closed cell rigid expanded polystyrene. Designed for use in geotechnical applications to act as lightweight fill for projects such as slope stabilization, soil fill for road beds and as void filler for stadium seating applications, **Fortefy Geofoam** blocks are up to 100 times lighter than most soils.

**Fortefy Geofoam** is a dimensionally stable product resistant to freeze-thaw cycles, has low moisture absorption properties and is non biodegradable enabling it to provide support over soils with low bearing capacity.

#### NEED HELP?

Forte EPS Technical Support is here to help you. Our staff have the "know how" and experience to help you choose the right product. From selecting the correct density to designing the layout, Forte EPS provides the "Solution".

#### BENEFITS

- Dimensional Stability, exerts little to no lateral load on retaining structures
- 50 to 100 times lighter than comparable light weight fill materials
- Cost Effective
- Low Moisture Absorption
- Quick installation
- Non biodegradable, does not support mould
- Available in Full sized blocks\* or pre-fabricated to order
- Contains no CFCs or HCFC, does not off-gas and is an inert material
- 3rd Party Certification ensures our product delivers

Forte EPS Solutions Inc. has a full service Technical Support department to ensure that the product supplied fully meets the requirements and specifications of your project. Contact us for more detail.



#### APPLICATIONS

- Bridge Abutments
- Road Embankments and sub grade fill
- Stadium Seating and Theatre Seating
- Retaining Walls
- Utility Protection
- Green Roofs
- Noise and vibration dampening
- Foundations
- Slope stabilization

#### SPECIFICATIONS

- Standard block 32" x 48" x 96", with lengths up to 13'
- Meets ASTM D6817 standard
- Densities from 0.7 lb/ft3 to 2lb/ft3 (11.2 29 kg/m3)



TYPE	FPS12	FPS15	FPS19	FPS22	FPS29	FPS39
Density, min. Kg/m3 (lb/ft3)	11.2	14.4	18.4	22	29	38.4
	(0.70)	(0.90)	(1.15)	(1.35)	(1.80)	(2.40)
Compressive Resistance,	15	25	40	50	65	75
Min. kPa (psi) at 1%	(2.2)	(3.6)	(5.8)	(7.3)	(10)	(10.9)
Compressive Resistance,	35	55	90	116	140	170
Min. kPa (psi) at 5%	(5.1)	(80)	(13.1)	(16.7)	(20)	(24.7)
Compressive Resistance,	40	70	110	135	210	275
Min. kPa (psi) at 10%	(5.8)	(10.2)	(16.0)	(19.6)	(30)	(40)
Flexural Strength, min. kPa (psi)	69	172	207	310	350	345
	(10.0)	(25.0)	(30.0)	(45)	(50)	(50.0)
Oxygen Index, min. Volume %	24.0	24.0	24.0	24.0	24.0	24.0

This information is presented as average values as identified by accepted ASTM standards and test methods and as such the values can vary as the result of normal manufacturing processes. Please consult Technical Support for more detail. Fortefy Geofoam conforms to S-102.2 & S-701 standards.

### HAVE A QUESTION?

#### PLEASE CONTACT OUR TECHNICAL SUPPORT DEPARTMENT

SUPPORT@FORTEEPS.COM | TOLL FREE: 1-855-527-4220

Still not sure? When all else fails refer to your local Building Code. Expanded Polystyrene is a combustible material and therefore should be protected from open sources of ignition, such as flames other sources of combustion. Combustible material of an increased thickness or higher density will increase fuel loading and therefore increase the measured flame spread ratings when tested in accordance with CAN/ULC S102.2. Conforms to S-102.2 & S-701-11 standards. All our products are 100% recyclable. Go Green.



