



StarRGeoFoam

StarRGeoFoam is an expanded polystyrene product used for engineering and geotechnical fill applications. It works due to its low density, compared to that of traditional soil (which is approximately 75-120lbs/ft3). Due to its lightweight and physical properties, it is unaffected by normal weather, maintains its properties over time, and is easily transported to and around the site. ***StarGeofoam, meets or exceeds ASTM D6817*

APPLICATIONS

EIFFS

- Landscaping
- Foundations
- Cold storage
- Airport runways
- Retaining walls
- Pools and decks
- Levees and dikes
- Parking structures
- Berms and embankments
- Wall and slab insulation
- Roofs, attics, crawl spaces
- Buried utilities protection
- Stadium and theater seating
- Highways, roads, bridge approaches

BENEFITS

- | | |
|------------------------------|--|
| Proven performance | Environmentally friendly |
| Moisture resistant | Stable & uniformly consistent properties |
| Cost-effective | Decreased construction time |
| Durable | Contains no CFC, HCFC, HFC |
| Code approvals | Lightweight |
| Termite protection available | |

OPTIONS

Available sizes:

4' widths

8' - 16' lengths

1" - 50" thicknesses

Contact your local sales representative for custom shapes and sizes.



LOCATIONS

KINGMAN, AZ

4555 Olympic Way
Kingman, AZ 86401

928-681-2800

ANTHONY, TX

1004 Omar Road
Anthony, TX 79821

915-886-4636

ARLINGTON, TX

3220 E. Avenue F
Arlington, TX 76011

800-722-6218

GEOFOAM PROPERTIES

PROPERTY	UNITS	EPS12 TYPE XI	EPS15 TYPE I	EPS19 TYPE VIII	EPS22 TYPE II	EPS29 TYPE IX	EPS39 TYPE XIV	EPS46 TYPE XV
Density (Minimum)	lb/ft ³	0.70	1.0	1.25	1.50	2.0	2.50	3.0
	(kg/m ³)	(11.2)	(14.9)	(18.6)	(22.3)	(29.8)	(37.2)	(50)
Compression Resistance @ 10% Deformation, Min.	psi	5.8	10.2	16.0	19.6	29.0	40.0	60.0
	(kPa)	(40)	(70)	(110)	(135)	(200)	(276)	(345)
Compression Resistance @ 5% Deformation, Min.	psi	5.1	8.0	13.1	16.7	24.7	35.0	43.5
	(kPa)	(35)	(55)	(90)	(115)	(170)	(241)	(300)
Compression Resistance @ 1% Deformation, Min.	psi	2.2	3.6	5.8	7.3	10.9	15.0	18.6
	(kPa)	(15)	(25)	(40)	(50)	(75)	(103)	(128)
Elastic Modulus, Min.	psi	220	360	580	730	1,090	1,500	1,860
	(kPa)	(1,500)	(2,500)	(4,000)	(5,000)	(7,500)	(10,300)	(12,800)
Flexural Strength, Min.	psi	10.0	25.0	30.0	40.0	50.0	60.0	75.0
	(kPa)	(69)	(172)	(207)	(276)	(345)	(414)	(517)
Water Absorption By Total Immersion, Max.	volume %	4.0	4.0	3.0	3.0	2.0	2.0	2.0
Oxygen Index, Min.	volume %	24.0	24.0	24.0	24.0	24.0	24.0	24.0
Buoyancy Force	lb/ft ³	61.7	61.5	61.3	61.1	60.6	60.0	59.5
	(kg/m ³)	(990)	(980)	(980)	(980)	(970)	(960)	(950)

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