



Foundation Walls

StarRfoam Foundation Wall insulation is a lightweight, closed cell, rigid insulation manufactured from expanded polystyrene (EPS). StarRfoam EPS meets or exceeds ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.

APPLICATIONS

Foundations
 Below grade insulator
 Basements

BENEFITS

Energy efficient	Cost-effective
Environmentally friendly	User friendly
Code approvals	Protection from expansive soils
Stable R-values	Moisture resistant
Proven performance	Termite protection available
No CFC, HCFC, HFC, or formaldehyde	

OPTIONS

Available sizes:
 4'x4' and 4'x8' sheets or blocks
 Thicknesses ranging 1/8" to 40"



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

PHYSICAL & THERMAL PROPERTIES

PROPERTIES	TYPE XI	TYPE I	TYPE VIII	TYPE II	TYPE IX	TYPE XIV	TYPE XV	TEST METHOD
Nominal Density (psi)	0.7	1.0	1.25	1.5	2.0	2.5	3.0	ASTM C303
Thermal Resistance (R-Value)								
(per inch) at @25F	3.60	4.35	4.55	4.76	5.0	5.05	5.10	ASTM C518 or C177
(per inch) at @40F	3.40	4.17	4.25	4.55	4.76	4.85	5.05	
(per inch) at @75F	3.20	3.85	3.92	4.17	4.35	4.50	4.60	
Water Vapor Permeability (perms)	5.0	5.0	3.5	3.5	2.5	2.5	2.5	ASTM E96
Water Absorption (max. % volume)	4.0	4.0	3.0	3.0	2.0	2.0	2.0	ASTM C272
Oxygen Index, Min.	24%	24%	24%	24%	24%	24%	24%	ASTM D 2863

STRENGTH PROPERTIES

PROPERTIES	TYPE XI	TYPE I	TYPE VIII	TYPE II	TYPE IX	TYPE XIV	TYPE XV	TEST METHOD
Compressive Strength @10% deformation, min. (psi)	5.0	10-14	13-18	15-21	25-33	40.0	60.0	ASTM D1621
Flexural Strength (min. psi)	10.0	25.0	30.0	35.0	50.0	60.0	75.0	ASTM C203
Dimensional Stability	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	ASTM D2126
Flame Spread	<20	<20	<20	<20	<20	<20	<20	ASTM E84
Smoke Devolped	150-300	150-300	150-300	150-300	150-300	150-300	150-300	ASTM E84

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