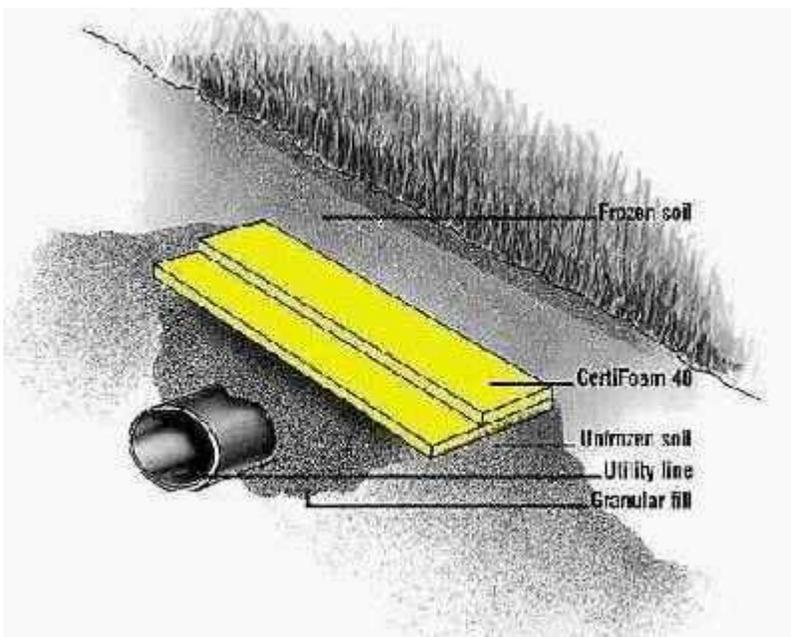


CertiFoam

High Density 40 and 60

Utility Line/Soil Insulation Under Highway Insulation



- Economical protection from freezing.
- Reduces frost heave action.
- High compressive strengths.
- Excellent moisture resistance.
- Resists freeze/thaw damage.
- Best long-term insulating value.
- Meets or exceeds AASHTO M230-70

PHYSICAL PROPERTIES

	ASTM Test Method	CertiFoam 40	CertiFoam 60
Insulation Properties			
Thermal Conductivity, k (Btu/hr. sq. ft. F)	C 177-76 or C 518-76		
5-Tear Aged (Design) Values		0.178 0.185	0.178 0.185

BOARD SIZES

Thickness	Width	Length	
1 1/2"	24"	96"	Square Edge
2"	24"	96"	Square Edge

R-VALUES

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@ 25° F mean @ 40° F mean @ 75° F mean 6-Month Aged Values @ 75° F mean		0.200 0.192	0.200 0.192
Water Resistant Properties Water Absorption (% by volume) Water Vapor Permeance (perm) Maximum	D 2824-69 C 272-76 E 96-80	1.0 <0.1 1.0	1.0 <0.1 1.0
Mechanical Properties Compressive Strength, (Typical) (lb./sq. in.) Minimum (Specification) Value (lb./sq. in.)	D 1621-73	50 40	70 60
Miscellaneous Properties Maximum Recommended Use Temperature (°F) Linear Coefficient of Thermal Expansion (in./in. °F)	D 696	165 3.5×10^{-5}	165 3.5×10^{-5}

Mean Temp.	1 1/2"	2"
25° F	8.4	11.2
40° F	8.1	10.8
75° F	7.5	10.0

Caution: Like many construction materials, CertiFoam brand insulation is combustible and may constitute a fire hazard if improperly installed or stored. Although it contains a flame-retardant additive to inhibit ignition from small sources, it should not be exposed to open flame or other ignition sources during shipping, storage, installation or use. Recommendations of fire and building codes should be followed.

Caution: CertiFoam brand insulation when used under highways may cause differential icing. Contact DiversiFoam Products for information regarding design details or special application conditions.