



Iowa EPS SF 40 Below Grade Insulation

Product Description – Iowa EPS SF 40 is an engineered insulation specifically designed to provide a versatile, environmentally friendly polystyrene insulation for many below grade purposes. It's made of closed cell expanded polystyrene proven in Europe and the United States for over 50 years to provide long term insulation value and moisture resistance .

Applications– Suitable for commercial and residential projects:

- *Below Grade – Perimeter and under slab insulation
- *Drainage Boards – Channels can be added
- *Freezer and cold storage facilities
- *Retaining walls to relieve hydrostatic pressure
- *Void fill

Advantages – EPS is fully recyclable

- *Only contains polystyrene and air, no harmful blowing agents
- *Stable R value proven for over 50 years
- *Moisture resistance combined with ability to release moisture
- *Insect and mold resistant – integrated termiticide available
- *Customizable compressive strength, R-Value, sizes, and facers

Approvals - include:

- *ASTM C578, IBC, IRC, IECC, UL ER13418-01



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ASTM C578 Type	Min Density (PCF) ASTM C303	Compressive Resistance at 10% Deform ASTM D1621	Flexural Strength ASTM D1622	R-Value Per Inch 25/40/75F ASTM C518	Water Absorption Max. % volume ASTM C272	Water Vapor Permeance Per inch ASTM E96
SF13 Type VIII	1.15	13 PSI	10 PSI	3.9/4.2/4.5	4.0	5.0
SF15 Type II	1.5	15 PSI	25 PSI	4.1/4.5/4.7	3.0	3.5
SF25 Type IX	2.0	25 PSI	30 PSI	4.3/4.7/5.0	3.0	3.5
SF40 Type XIV	2.4	40 PSI	35 PSI	4.5/4.8/5.0	2.0	2.5
SF60 Type XV	2.85	60 PSI	50 PSI	4.6/5.0/5.1	2.0	2.5

Flame spread of <20 and smoke developed of 150-300 based raw material and ASTM E84