



DURO-GUARD® EPS TYPES II, VIII, AND IX

Product Environmental Profile

Duro-Guard EPS Types II, VIII and IX are premium insulations consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). They meet or exceed the requirements of ASTM C 578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.

Environmental Facts:



SUSTAINABLE MATERIALS
Free of dyes, formaldehyde and HCFCs.



GREEN CODES
Complies with California Title 24, IgCC, and efficiency programs requiring high R-values.



END-OF-LIFE RECYCLING
EPS is 100% recyclable in most locations in the US.



ENERGY EFFICIENT
EPS provides high thermal resistance per inch of material which helps promote energy savings.



RECYCLED CONTENT
By request, Duro-Guard EPS insulation can contain up to 25% post-industrial recycled content.

Thermal Values

Thickness		R-Value		
Inches	mm	Type II	Type VIII	Type IX
1.00	25	4.5	4.2	4.7
1.50	38	6.7	6.3	7.0
2.00	51	9.0	8.4	9.4
2.50	64	11.2	10.5	11.7
3.00	76	13.5	12.6	14.1
3.50	89	15.7	14.7	16.4
4.00	102	17.0	16.8	18.8
4.50	114	20.2	18.9	21.1
5.00	127	22.5	21.0	23.5
5.50	140	24.7	23.1	25.8
6.00	152	27.0	25.2	28.2

Product Environmental Profile: Duro-Guard EPS

Duro-Guard EPS insulation can help buildings obtain credits under the U.S. Green Building Council’s LEED® (Leadership in Energy and Environmental Design) rating system, as well as GBI’s (Green Building Institute) Green Globes certification. Both programs promote sustainable building management and construction practices.

LEED® Contributions (version 4)			
Program	Category	Credit	Contribution
LEED BD+C: New Construction	Energy & Atmosphere	EAc2: Optimize energy performance	EPS provides high thermal resistance per inch of material which helps reduce building energy consumption.
	Materials & Resources	MRc3: Building product disclosure & optimization - sourcing of raw materials	Duro-Guard EPS insulation can contain up to 25% pre-consumer recycled content.
LEED O+M: Existing Buildings	Energy & Atmosphere	EAc4: Optimize energy performance	EPS provides high thermal resistance per inch of material which helps reduce building energy consumption.
	Materials & Resources	MRc3: Purchasing - facility maintenance & renovation	Can contain up to 25% pre-consumer recycled content.
		MRc5: Solid waste management - facility maintenance & renovation	EPS insulation can be recycled in most markets.

Green Globes® Contributions (version 2.2)			
Program	Category	Credit	Contribution
Green Globes New Construction	3.3.4 Building Opaque Envelope	3.3.4.1 Thermal resistance & transmittance	Duro-Guard EPS insulation in thicknesses greater than 3.5 inches meet the minimum R-value criteria.
	3.5.7 Building Envelope – Roofing/ Openings	3.5.7.1 Roofing membrane assemblies and systems	Insulation is part of a properly installed roofing assembly.