



# LEED Product Evaluation

**Product:**

SI-Strong Structural Insulation (1/2 inch)

Used, where required by code, to provide lateral shear resistance, and continuous thermal resistance for the lifetime of the structure. Common industry practice is to apply SI-Strong Insulated Sheathing continuously around entire perimeter of the structure or intermittently in conjunction with ISO-RED MAX CI.

**Manufacturer:**

OX Engineered Products  
1255 N. 5th Street  
Charleston, IL 61920

**R&D Contact:**

Dan Darling,  
Eng. Products Technical Manager

**Regional Materials****Material Composition:**

Recycled Mixed OCC & Box cuttings	
Percent of material wt:	79%
Location of Extraction:	49042
Location of Process:	49042
Location of Manufacture:	49042

**Material Composition:**

Proprietary Adhesive	
Percent of material wt:	4%
Location of Extraction:	49042
Location of Process:	49042
Location of Manufacture:	49042

**Material Composition:**

Proprietary Coating	
Percent of material wt:	3%
Location of Extraction:	49042
Location of Process:	49042
Location of Manufacture:	49042

**Material Composition:**

Polyisocyanurate foam	
Percent of material wt:	14%
Location of extraction:	61920
Location of process:	61920
Location of manufacture:	61920

**Renewable Materials:**

Recycled fibers are used in the manufacturing process; mixed occ, box cuttings & other waste paper.

**Recycled Content**

Material Composition:	
Recycled Mixed OCC & Box cuttings	
Percent of Total Product:	79%
Percent of PIRC:	0
Percent of PCRC:	100%

**Material Composition:**

Proprietary Adhesive	
Percent of Total Product:	4%
Percent of PIRC:	0
Percent of PCRC:	0

**Material Composition:**

Proprietary Coating	
Percent of Total Product:	3%
Percent of PIRC:	0
Percent of PCRC:	0

**Material Composition:**

Polyisocyanurate foam	
Percent of Total Product:	14%
Percent of PIRC:	0
Percent of PCRC:	0

**Packaging**

Packaging is minimized to ensure sound environmental policy.

**Emissions**

SI-Strong Structural Insulation does not contain asphalts, formaldehydes or phenols.

**Waste**

SI-Strong Structural Insulation is manufactured to a size for typical installation so as to reduce job site scrap and waste.

**Disposal**

SI-Strong Structural Insulation does not contain asphalts, formaldehydes or phenols.

**Definitions****Post-consumer Recycled Content (PCRC):**

Defined as "a finished material which would have been disposed of as solid waste, having completed its life cycle as a consumer item, and does not include manufacturing wastes." This is material such as a newspaper that is read, recycled and then made into recycled content newsprint or some other recycled product. Post-consumer material is generally bought by the consumer, used, and then recycled into another product.

**Post-industrial Recycled Content (PIRC):**

Defined as "fragments of finished products or finished products of a manufacturing process, which has converted a resource into a commodity of real economic value, but does not include excess virgin resources of the manufacturing process." This is material such as newsprint that is trimmed from a roll in the paper plant that is returned to the beginning of the process to make recycled content newsprint. The material (product) did not get to the consumer before being recycled. Post-industrial material DOES NOT include post-consumer material.