



# LEED Product Evaluation

## Product:

OX-IS 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 OX-IS 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

OX-IS Structural Insulation does not contain asphalts, formaldehydes or phenols.

## Waste

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

## Disposal

OX-IS 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.