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## ProGuard® XPS Product LEED® Information

### 1. Material and Resources (MR Credits)

#### - Credit 1 "Building Reuse" (1 to 3 pts.)

Reuse large portions of existing structures during renovation or redevelopment projects. Because of the long-term R-value and exceptional moisture resistance of T. Clear products, it's possible to remove and reuse ProGuard. The panels are simply set aside while the wall is repaired or replaced, and then the panels are reinstalled to provide real life-cycle value.

#### - Credit 2 "Construction Waste Management" (2 pts.)

Divert construction debris from landfill disposal by using building products which can be reused in expansion, renovation and building reuse.

#### - Credit 3 "Resource Reuse" (3 pts.)

Extend the life cycle of building materials by including materials such as ProGuard which can be reused when renovating existing buildings instead of having to remove, dispose of and replace components.

#### - Credit 4 "Recycled Content" (Pre-consumer and Post-Industrial)

ProGuard utilizes Dow's STYROFOAM which means that CFI has a 40% pre-consumer recycled content. ProGuard product manufacturing process recycles up to 100% of its own scrap (in process) to minimize foam waste in landfills.

#### - Credit 5 "Local/Regional Materials" (2 pts.)

T. Clear products are produced at 3255 Symmes Rd. Hamilton, Ohio 45015. Calculate shortest distance to job site.

### 2. Energy and Atmosphere (EA Credits)

#### - Prerequisite 2 "Minimum Energy Performance, Required For Certification"

ProGuard utilizes Dow's 40psi Extruded STYROFOAM which can be used around both the exposed and below grade walls to comply with ASHREA 90.1 2007. The STYROFOAM insulation provides continuous insulation to reduce thermal bridging for a building.

#### - Credit 1 "Optimize Energy Performance" (1 to 19 pts.)

ProGuard can be used in designing energy efficient wall and below grade structures. By manufacturing products using STYROFOAM, with an R-value of 5 per inch of thickness, insulation will last the life of your building. You can control energy costs without the worry of losing R-value due to moisture.

### 3. Environmental Quality (EQ Credits)

#### - Credit 7 "Thermal Comfort - Design" (1 pt.)

ProGuard can be used as continuous insulation around the exposed and below grade walls to provide thermal insulation and reduce thermal bridging to meet the requirements of ASHRAE 55.2 Thermal Environmental Design Standards to provide maximum comfort for building occupants.

If you should need anything else, please don't hesitate to give me a call.

Regards,

*Jason T. Clear*

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