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## COOLGUARD® 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 the **COOLGUARD**. The panels are simply set aside while the roof is repaired or replaced, 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 **COOLGUARD** 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)

**COOLGUARD** utilizes Dow's STYROFOAM which means that it has a 40% post-consumer recycled content. **COOLGUARD** product manufacturing process recycles up to 80% 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. Sustainable Sites (SS Credits)

#### - Credit 2&3 "Urban / Brownfield Redevelopment" (1-2 pts.)

One of the primary goals of designing Sustainable Sites is the reuse of existing buildings in areas that are already developed and the rehabilitation of degraded sites. When upgrading the energy efficiency of those buildings, consider using **COOLGUARD** Protected Membrane Insulation panels. Membrane repairs can be made and additional insulation can be installed ABOVE the membrane, possibly without having to tear off the existing roof.

#### - Credit 7.2 "Heat Island Effect – Roof" (2 pts.)

Reduce Heat Islands to minimize the impact on microclimate, human and wildlife habitat by using Energy Star Roof compliant, highly reflective and highly emissive **COOLGUARD** Insulation in your PMR assembly. **COOLGUARD** can offer increased insulation, as well as reflectivity with an SRI number of 109.

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

Regards,

*Jason T. Clear*

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