

# Technical Data Sheet

## ProGUARD® Concrete Insulated Sheathing Specifications & Installation

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### Product Description:

ProGUARD is a non-structural concrete faced exterior insulation consisting of 1/4" thick Util-A-Crete® cement backerboard laminated to Dow Extruded Polystyrene (XPS), Expanded Polystyrene (EPS) or Mineral Wool in varying thicknesses. The Util-A-Crete cement backerboard is offset 3/4" to create a ship lap around each panel.

### Basic Use:

ProGUARD can be applied directly to the exterior side of structural steel or wood studs if applicable.

ProGUARD can also be attached to concrete walls. The R-Value is 5 per inch for XPS insulation and 4.35 per inch for EPS insulation at 75° F. The ship lap edge reduces thermal transfer through the studs and greatly reduces air leaks that occur with butt joint applications. Additional water proof coatings such as Water Armor may be applied as required per local code.

### Exterior Finishes:

Sheathing surfaces are designed for direct application of synthetic stucco finishes, sand and cement stucco, siding, synthetic stone, thin brick or other exterior finish systems.

### Standard Sizes:

Width 36" / Length 96"  
Composite thicknesses of:  
1.75", 2.25" 2.75", 3.25" & 4.25".  
(Note: Mineral Wool panels are only available in 48" lengths.)

Special thicknesses are available upon request for EPS versions only.

### Applicable Standards:

ASTM International

- ASTM C518
- ASTM D1621
- ASTM C272
- ASTM E96
- ASTM D696
- ASTM C578
- ASTM D2842
- ASTM D3273
- ASTM D2394
- ASTM C947
- ASTM D1037
- ASTM E84
- NFPA 285

### Manufacturer

#### Section:

061613 Insulating Sheathing  
072100 Insulating Sheathing  
072113 Cementitious Sheathing

T. Clear Corporation  
3255 Symmes Road  
Hamilton, OH 45015  
Phone: 800-544-7398









**Storage/Protection:**

Protect panels from abuse, damage and contamination prior to exterior wall finish application.

**Availability:**

ProGUARD Concrete Insulated Sheathing is distributed through a national network of distributors and agents. Please call 800-544-7398 to obtain the name and contact information for your local T. Clear Sales Agent.

**Warranties:**

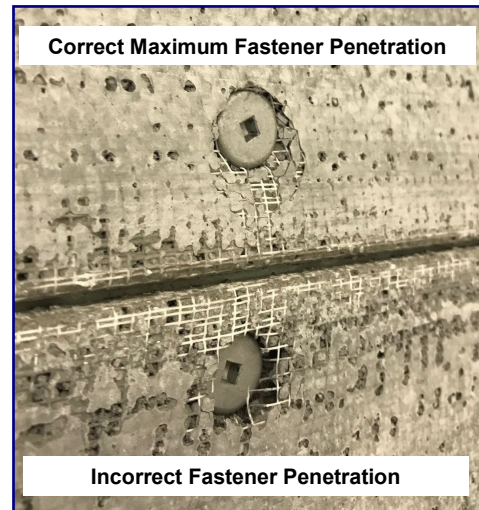
T. Clear warrants ProGUARD to be free of material defects.

**Maintenance:**

Not applicable. This will be a function of the finish system applied to the surface of the ProGUARD panels.

**Technical Assistance:**

T. Clear can provide technical information to address questions about using ProGUARD. Please contact T. Clear corporate office at 800-544-7398 or email [sales@tclear.com](mailto:sales@tclear.com).

**Figure 1 - Fastener Penetration**

NOTICE: Extruded or expanded polystyrene will burn and should be stored, handled and installed properly. For proper use consult applicable building code requirements, for regulations, and specific instructions available from your supplier or the T. Clear Corp., 3255 Symmes Road, Hamilton, OH 45015 (1-800-544-7398).

NOTICE: T. CLEAR CORP. believes the information and recommendation herein to be accurate and reliable as of October 2016. However, since any assistance furnished by T. CLEAR CORP. with reference to the proper use and disposal of its products is provided without charge, and since use conditions and disposal are not within its control, T. CLEAR CORP. assumes no obligation or liability for such assistance and does not guarantee results from use of such products or other information herein; no warranty, expressed or implied, is given nor is freedom from any patent owned by T. CLEAR CORP. or others to be inferred. Information herein concerning laws and regulations is based on U.S. federal laws and regulations except where specific reference is made to those other jurisdictions. Since use conditions and governmental regulations may differ from one location to another and may change with time, it is the Buyers responsibility to determine whether T. CLEAR CORP.'s products are appropriate for Buyer's use, and to assure Buyer's workplace and disposal practices are in compliance with laws, regulations, ordinances, and other governmental enactments in the jurisdiction(s) having authority over Buyer's operations.

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3255 Symmes Road  
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[www.tclear.com](http://www.tclear.com)