

# Enroll In The LIGHTGUARD System Of Applied Economics.

School and university buildings pose some unique problems that officials must contend with year after year. These include heavy foot traffic on the roof, increased vandalism and a need for greater energy efficiency. LIGHTGUARD® Ballasted Roofing Systems provide valuable solutions to these problems that conventional roofing systems cannot. For instance, LIGHTGUARD systems do not require crushed stone or gravel ballast, thus eliminating the hazards of projectiles from atop the roof.

## LIGHTGUARD Protects The Membrane And Saves Energy.

The LIGHTGUARD Ballasted Roofing System is designed so that the durable concrete surface faces the elements and protects the membrane.



Emily Grey Jr. High School in Tucson, Arizona. Lightguard systems protect the membrane from maintenance traffic as well as vandals.

Comprised of high compressive strength Styrofoam® with a 3/8" latex modified concrete top surface, LIGHTGUARD provides excellent protection against hail, wind and ultraviolet rays. The tight, closed cell structure of the foam insulation panel resists water penetration as well.

The energy efficient foam in



Markesan Middle School in Markesan, Wisconsin. This system, using a single-ply membrane, was applied directly over an existing BUR. At 4.5 lbs./sq. ft., Lightguard can save tear-off costs in most applications.

LIGHTGUARD provides an R factor of 5 per inch. And because the insulation is placed above the membrane, it protects the membrane from temperature swings and freeze-thaw cycles, and minimizes condensation under the roof. LIGHTGUARD provides excellent protection for all single-ply membranes or any other type of membrane as well.

## LIGHTGUARD Is Ideal For Reroofing Where Weight Is A Concern.

Weighing 4.5 lbs./sq. ft., LIGHTGUARD is also ideal for single-ply and built-up roofing applications that require a lighter-weight system. Quite often, LIGHTGUARD systems can be applied directly over existing roofs, saving tear-off costs in the process. Though lightweight, LIGHTGUARD is designed to overlay the existing membrane in an interlocking pattern that eliminates the need for mechanical fasteners to the old membrane.

Because LIGHTGUARD systems are virtually maintenance-free, they

provide money-saving value for years to come. LIGHTGUARD is installed only by authorized contractors and is inspected by independent advisors across the country. LIGHTGUARD Ballasted Roofing Systems are also backed by a Total Performance Warranty from T. Clear Corporation. That's investment protection in any economic system.

## School Officials Choose LIGHTGUARD To Solve Roofing Problems.

LIGHTGUARD Ballasted Roofing Systems have been used by schools, banks, factories, warehouses and apartment buildings all across the United States since 1976. For more information or the name of the agent in your area, call T. Clear Corporation at 1-800-544-7398. You have to agree it all adds up to dollars and sense.

**LIGHTGUARD®**  
Ballasted Roofing Systems

# Schools And Universities

The following is a representative list of schools and universities with roofing membranes that have been covered utilizing the Protected Membrane Assembly. These projects are of varying sizes, completed at different times, in diverse regions of the country and under dissimilar environmental conditions. LIGHTGUARD® Ballasted Roofing Systems protect and extend the performance of all types of roofing membranes, thus limiting maintenance and roof replacement costs.

Date Completed	School or University	Location	Square Footage
8/1/83	Adams High School	Portland, Oregon	105,350
1/1/87	Alhambra High School	Phoenix, Arizona	21,000
10/16/78	Andrews High School	Andrews, Texas	127,556
1/1/86	Badger Elementary	Fairbanks, Alaska	60,000
6/1/89	Basic High School	Henderson, Nevada	218,800
6/6/83	Berkley Elementary	Westminster, Colorado	22,000
6/1/89	Chaparrah High School	Las Vegas, Nevada	191,600
10/20/86	Colony Junior/Senior High School	Palmer, Alaska	216,000
1/1/83	Concord College	Athens, West Virginia	5,600
8/19/82	Cornell University	Ithaca, New York	47,079
3/31/82	John Marshall High School	Richmond, Virginia	240,000
7/24/81	Michigan State University	East Lansing, Michigan	66,208
11/22/78	Middleburg College	Middleburg, Vermont	10,300
7/24/84	North Carolina State University	Raleigh, North Carolina	165,028
10/21/88	Ohio University	Athens, Ohio	30,586
7/14/82	Plattsburgh High School	Plattsburgh, New York	223,253
6/18/85	Shawnee Middle School	Fort Wayne, Indiana	24,400
9/1/82	Soders Schools	Soders, New York	160,800
12/1/87	Sundance High School	Sundance, Wyoming	44,500
6/1/82	Theisen Schools	Fond Du Lac, Wisconsin	75,600
10/6/85	Tucson Community College	Tucson, Arizona	154,100
1/1/80	University Of Michigan	Ann Arbor, Michigan	212,885
9/1/83	Williamsville Schools	Williamsville, New York	328,344
5/20/88	Central State University	Wilburforce, Ohio	23,636
11/8/84	Gorham Schools	Gorham, Maine	10,000
9/1/84	High Mountain Road School	North Haledon, New York	50,000
6/10/93	Chazy Rural Schools	Chazy, New York	98,560
8/31/92	Cortland Schools	Cortland, New York	120,960
9/1/92	University Of Idaho	Moscow, Idaho	31,808
9/17/92	Rutgers University	Hammonton, New Jersey	11,648
7/12/93	Markesan Middle School	Markesan, Wisconsin	10,752
8/3/93	Penn State University	Bellville, PA	12,096
7/26/93	Campbell Elementary	Anchorage, Alaska	19,840
1/6/92	Adlai Stevenson High School	Bronx, New York	91,520
7/9/84	John Marshall High School	Rochester, Minnesota	10,000
9/1/82	University Of Minnesota	Minneapolis, Minnesota	85,763