



## TRENDS IN THE MARKET / JANUARY 2021 ISSUE

### Playing Our Part in an Ever-Changing Environment

For over 45 years, T. Clear has been offering sustainable, energy efficient products for the entire building envelope that can be part of any sustainable design. It all started with our LightGUARD® Protected Membrane Roof (PMR) System. T. Clear developed the process for laminating a latex-modified concrete topping to Dow Chemical, now Dupont™, Styrofoam® brand extruded polystyrene (XPS). Now the T. Clear family of products protect your building from the ground up with ProGUARD® Concrete Insulated Sheathing, WallGUARD® Concrete Faced Insulated Perimeter Wall Panels, and ThermaDry® Insulating Drainage Panels.

As a Top OEM account for Dow/Dupont, T. Clear has continually refined its processes to keep up with the ever-changing environment we live in. As the Styrofoam product changed its manufacturing processes to meet EPA standards, T. Clear made the necessary refinements to its manufacturing to ensure our products remain durable and sustainable for long-term performance.

Moving into 2021, we once again are meeting the challenges of our ever changing environment by transitioning from blue to grey Styrofoam. Dupont has reformulated Styrofoam brand XPS to reduce Global Warming Potential (GWP) and Greenhouse Gas (GHG) emissions. It will offer the same thermal performance, moisture resistance and durability the brand has become known for. Beginning on January 1, 2021, Dupont Styrofoam boardstock insulation will begin transitioning to a reduced GWP grey color in Canada and select U.S. states. Throughout the transition period, both grey and blue colors will be compliant in many states across the U.S.

As we make the transition from blue to grey, our customer service representatives will make you aware of the color change to ensure proper communication flow throughout the supply chain. If you have any questions regarding this color change please feel free to reach out to us and we'll be glad to assist you.

**VISIT OUR WEBSITE @ [TCLEAR.COM](https://www.tclear.com)**

### Blue to Grey

We're turning grey as we play our part in reducing global warming to make an impact on our environment.



## Reducing Our Global Warming Potential One Board at a Time

### Can Your Roof Withstand Hail This Size?

Ours can...we can prove it!



### LightGUARD® & HeavyGUARD® Protective Membrane Roofing

Spring is less than 60 days away and you know what that means; longer days, warmer temperatures and increased chances of thunderstorms and hail events. Hail storm damage has become a very serious topic and challenge in today's roof designs.

Severe storms in the U.S. are occurring with more intensity and are now affecting all areas across the country. Today, about two-thirds of the U.S. experiences one inch or larger hailstorm events. U.S. weather patterns are dramatically shifting and hail events are occurring in regions not normally known to occur in. A roof is built for the long run, so accounting for the possibility of hail is a wise decision.

In independent testing, LG withstood the impact of 2" diameter ice spheres traveling at 109 fps and HG withstood 3.5" ice spheres at 146 fps.

The Result...no damage to the membrane and only cracking of the LightGUARD and HeavyGUARD concrete surface!

**"Is Your Roof Ready?"**

### ProGUARD® DP Next Generation CI Sheathing

The best part of this exterior will never be seen. ProGUARD DP Concrete Insulated Sheathing was used on the Academy of Aerospace & Engineering Elementary School in Rocky Hill, CT. ProGUARD DP is a lightweight and durable sheathing that attaches directly to structural studs or concrete walls. It provides continuous insulation value that meets today's demanding energy codes.

ProGUARD DP consists of 1/4" thick Util-A-Crete® Concrete Backerboard laminated to EPS or XPS insulation with a drainage plane cut into the foam to allow moisture to migrate down the wall assembly to flashing lines. The finished panel is 3'x8' and is available in several insulation thicknesses.

ProGUARD also meets NFPA-285 standards for flammability in exterior non-load bearing wall assemblies. When combined with mineral wool insulation for the header panels over window and door openings, ProGUARD withstood temperatures in excess of 1,700° F.

**"ProGUARD DP.....A+ Design!"**

## Specifying Made Easy

T. Clear product specifications can be found on ARCAT for architects and specifiers? ARCAT is the leading online resource of free building product information. CSI 3-part and Canadian CSC architectural specs can be downloaded and customized for residential and commercial projects.

**"It's never been easier to specify  
T. Clear on your next project."**



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