



## Application solutions from Covestro

# Makrolon® Sheet and LED's Integrate New Lighting and Materials Technology in a Dramatic Architectural Facade



### Application

LED backlit translucent architectural facade panels for WHYY's public media center

### Challenges

WHYY officials posed several challenges to their architects for the facade of the Hamilton Public Media Commons in Philadelphia:

- Reflect WHYY's mission of creating a modern, media-rich and collaborative learning environment.
- Seamlessly integrate innovative and energy efficient technology with architecture.
- Engage the public visually with strong aesthetic appeal.
- Provide lasting durability and visual appeal in an urban exterior facade.

### Solution

#### Makrolon UV sheet backlit by LED's

- 144 translucent white Makrolon UV "screens" form a 25' x 68' facade that spans the building.
- During the day, the white panels brighten the facility and surrounding environment.
- At night, over 7,000 programmable LED's illuminate the screens individually or collectively.
- The dramatic and engaging visual effects reinforce the learning center's innovative and creative image.
- LED's offer greater energy efficiency over conventional lighting methods.
- The UV resistance and inherent toughness combined with the reduced weight of Makrolon UV sheet means easier installation with less risk of damage compared to glass and acrylic.



119 Salisbury Road  
Sheffield, MA 01257  
Toll Free: 800.254.1707  
Fax: 800.457.3553  
sfdinfo@covestro.com  
**sheets.covestro.com**

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro.

Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

With respect to health, safety and environment precautions, the relevant Safety Data Sheets (SDS) and product labels must be observed prior to working with our products.