



ACRYLIC

SOLUTIONS

FOR THE ARCHITECTURAL MARKET

Acrylic Replaces Glass Block

ACRYLITE® H15 Acrylic Molding Compounds Enhance the Look of Block Windows for Top Manufacturer

The Challenge

Hy-Lite Products, Inc., (Beaumont, CA and Eatonton, GA), the originator of easily installed, prefabricated glazed acrylic block window units, combines the beauty of glass block with the quick and easy installation of a standard window. It is a cost effective way to incorporate a distinguished and dynamic look that ensures privacy, yet allows natural or artificial light to enter into architectural design. The challenge for Hy-Lite was to find a weatherable, lightweight, thermal efficient material for production of their acrylic blocks.

The Solution

Hy-Lite chose CYRO's ACRYLITE® H15 acrylic molding compound for their blocks. They look like glass blocks, but they are 75 percent lighter and 35 percent more energy efficient. "Most people think our blocks are made of glass, until they lift them," says Mark Moreno, Hy-Lite Sales and Marketing Director. "These blocks are so light there's no need for extra reinforcement. You have the beauty of glass blocks in places where heavy glass is not practical, with no worry of the frame sagging or cracking over time."



The Result

Hy-Lite acrylic blocks have undergone industry testing for strength, weatherability, and thermal efficiency. In accelerated 25 year tests, the acrylic blocks maintained 96 percent of their color. "ACRYLITE H15 compound has excellent exterior weatherability and fade resistance," raves Moreno. "It is an extremely durable product that also resists scratching. In fact, it's the same resin used in automobile taillight lenses. Compared to glass, acrylic has great visual quality. Acrylic refracts light a lot differently than glass. It actually enhances the look of the window by making it sparkle."

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