

DuPont™ Tyvek® Weatherization Systems

CASE HISTORY

San Diego Home & Garden Energy-Efficient Innovation Home
DuPont™ Tyvek® Weatherization Systems



As a leader in the residential building materials industry, DuPont™ Tyvek® was chosen by the innovative firm Kevin deFreitas Architects, AIA, to help build the first Leadership in Energy and Environmental Design (LEED)-certified home in San Diego, CA. DuPont™ Tyvek® Weatherization Systems were incorporated as a means to combat air and moisture penetration and seal the building envelope, thereby helping to add energy efficiency and work in conjunction with other state-of-the-art green building technologies.

Issues

- Building a home that incorporates green building practices, helps achieve LEED certification and is building code approved.
- Partnering with a company that develops innovative building materials to reduce air and water infiltration that can be installed effectively with minimal additional training costs.
- Choosing building materials that help achieve LEED credits that lead to the overall certification of the home.

Challenges

- Selecting a weather barrier that can be used with traditional and synthetic stucco applications.
- Preventing air and water penetration through the wall system.
- Reducing moisture penetration near the bottom corners of the window sill where water damage is most likely to occur.

Solutions

- DuPont™ Tyvek® StuccoWrap® is a water-resistive barrier with a specially engineered surface texture designed to help strengthen stucco, making it more resistant to cracking thereby reducing the chance for water infiltration.
- DuPont™ Tyvek® HomeWrap® is a water-resistive barrier that has the optimum combination of properties to deliver the best balance of weather protection, moisture management and durability.
- DuPont™ Flashing Systems includes DuPont™ Tyvek® FlexWrap™—an extendible flashing tape that is uniquely engineered to address the issues of securing the vulnerable bottom corners of the window sill making one-step, seamless protection possible—and DuPont™ StraightFlash™ a premium flashing tape to protect straight heads and jambs of rectangular windows that are subjected to wind-driven rain.

Benefits

- DuPont™ Tyvek® Weatherization Systems exceeds the newest 2006 IRC codes as water-resistive barriers and provide moisture management, resisting bulk water intrusion and allowing moisture vapor to escape.
- DuPont™ Tyvek® Weatherization Systems are used by quality builders in varying regional climates and under all cladding types for different building types and practices.
- DuPont™ Tyvek® Weatherization Systems can achieve LEED credits in the categories of Energy & Atmosphere, Materials & Resources, Indoor Air Quality and Innovation & Design Process.

Our Specialist Network

The DuPont™ Tyvek® Specialist Network, a national group of over 190 highly trained professionals, is specially trained by DuPont to offer building solutions expertise to architects, designers, builders, remodelers and contractors. From the latest updates on building codes to on-site consulting and training, your local DuPont™ Tyvek® Specialist will help make sure the job gets done right.

For more information about DuPont™ Tyvek® Weatherization Systems, please call 1-800-44-Tyvek or visit us on the Web at www.Construction.Tyvek.com

DuPont™ Tyvek® Weatherization Systems helps Kevin deFreitas Architects, AIA build the first Leadership in Energy and Environmental Design (LEED) home in San Diego, California.



Tyvek.