

## Building Green

Green building practices help create sustainable buildings that reduce their environmental impact, lower tenant operating costs, and provide healthier conditions for occupants indoors. Proper green design takes a whole-building approach to sustainability by recognizing performance in key areas of human and environmental health, such as: sustainable site development, water conservation, energy efficiency, materials selection, and indoor environmental quality. Building green not only conserves natural resources and improves occupants quality of life, but these buildings are more desirable to buyers.

## Omega Products and Green

There are a number of "green" building standards developed by third parties such as the LEED (Leadership in Energy and Environmental Design) Green Building Rating System and by national, state, or local governments. These standards provide guidelines and/or rating systems for green building design, construction, and operations. While each standard has different requirements, they all generally have performance criteria relating to the key areas mentioned above. Valentino has products that can help builders and architects build sustainable projects through the use of regional and/or recycled materials, the reduction of job site waste, and better indoor air quality.

## Materials & Resources Conservation

The use of products with recycled content and regional materials help to reduce the environmental impact of the building. Valentino's Bel Marmo, Venezia, and Tadelakt finishes use 45-55 percent by weight post-industrial marble dust and/or aggregate that has been reclaimed from quarries and stone manufacturers. These three lime-based finishes use almost completely natural materials that are very common and that require relatively low amounts of energy to manufacture. The slake aged lime is calcined at approximately half the temperature required to produce portland cement. Most of the CO<sub>2</sub> released during that process is reabsorbed during the finishes' curing, which results in an almost 80 percent reduction in net CO<sub>2</sub> released compared to portland cement-based stucco finishes.

Omega Products has manufacturing facilities in Southern California, Northern California, Las Vegas, and in the Denver area. We make every effort to use locally sourced raw materials with AkroTique, V Finish, Titan, and Travertino finishes using over 90% regional materials. Therefore, most of the Western United States can be provided with products that are locally manufactured and sourced.

Another important aspect to green building is the reduction of construction waste that ends up in the landfill. Valentino's products produce very little waste on the job site. Applicators only have to mix the quantity of product needed and unused material can typically be resealed for later use. Furthermore, the product pails and the pallets they are delivered on can be recycled or reused.



## Improved Indoor Environmental Quality

The use of low-emitting coatings can minimize the quantity of indoor air contaminants that are odorous, irritating, and/or harmful, which is critical to the comfort and well-being of occupants. Valentino has a family of low VOC finishes and coatings that can be used indoors or on exterior walls. V Finish, Travertino, Bel Marmo, Tadelakt, Venezia, and AkroTique finishes all have very low VOC content.

Valentino finishes also can help reduce the risk of mold and mildew growth on and within the wall cavity. Mold and mildew can reduce the quality of indoor air and pose a significant health risk to the building occupants. All Valentino finishes are vapor permeable, which allows the wall to dry and not allow mold or mildew growth. Additionally, Valentino finishes are naturally mold and fungus resistant.

To learn more about how Valentino and Omega Products can help with green building or to get additional information on any of our various products please visit our website at [www.omega-products.com](http://www.omega-products.com), call our corporate office at 800-600-6634, or contact your local sales representative.

www.valentinoproducts.com

TECHNICAL BULLETIN

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