

## **Sales Representative Bulletin**

### **Green Building Opportunities for Reveal Windows and Doors Using LEED®-NC version 3.0 and Build it Green GreenPoint 2007 Edition**

#### ***Why Build Green?***

Green building means improving our design and construction practices so that the buildings we build today will last longer, cost less to operate, and won't harm people's health. It also involves protecting natural resources and improving the built environment so that people, communities and ecosystems can thrive and prosper.

The following sections are the green building features that Reveal Windows and Doors may have to help achieve the benefits of green building. The different benefits will be complimented by the different credits that would be contributed towards in both LEED®-NC version 3.0 and Build It Green GreenPoint 2007 Edition. It is important to point out that contributing to credits by meeting guidelines for Reveal Windows and Doors does not automatically grant the project any certification and Reveal Windows and Doors themselves cannot be certified. All earned credits for the whole building are combined to determine the certification level.

Every project may earn different credits due to design and location. It is also important to note that credits should be calculated by the General Contractor or Project Manager, with cost information supplied by the distributor of the material, as the value of the material is based on the cost delivered to the project.

#### ***BENEFIT: Higher Quality, Low Maintenance, and Good for the Environment***

Most green building products are developed to do something better than their conventional counterparts. Reveal Windows and Doors offers products with the following features:

- FSC-certified wood
  - Reveal Windows and Doors (SCS-COC-002466) is certified to manufacture any product as FSC® certified with a threshold of either FSC® 100% or FSC® Mix 70-100%.
  - Any exotic wood must be checked if available as FSC® certified before signing a contract for that product through a hard bid.
    - Another resource: [www.fsc-info.org](http://www.fsc-info.org)
  - All FSC® claims are on a line item basis and can differ from item to item.
  - Specifying FSC® certified wood on Reveal Windows and Doors contributes to earning either USGBC's LEED® MR credit 7 or Build It Green's Single-Family GreenPoint Finishes credit 6 or Multi-Family GreenPoint Finishes credit 7.
- Finger-jointed material
  - Specifying finger-jointed material on Reveal Windows and Doors contributes to earning Build It Green's Single-Family GreenPoint Finishes credit 6 or Multi-Family GreenPoint Finishes credit 7.

***BENEFIT: Greater Comfort and Lower Utility Bills***

Green building products provide customers with greater continuous comfort while reducing their utility bills. Reveal Windows and Doors offers products with the following features:

- Low-E glazing for windows and doors
  - There are two types of low-E glazing: heat rejecting (hard coat) and heat receiving (soft coat)
  - The recommended south glazing for passive solar buildings is low-E hard coat, heat receiving glazing.
  - The soft coat low-E is more commonly available, and it is effective as a cooling strategy.
  - Specifying low-E glazing windows and doors contributes to earning either USGBC's LEED® EA prerequisite 2 and credit 1 or Build It Green's Single-Family GreenPoint Building Performance credits 2 and 3 or Multi-Family GreenPoint Planning & Design credit 8.
- Reduced glare glass treatments
  - Reducing glare minimizes the light trespass from the light pollution that the building creates.
  - Specifying reduced glare glass treatments contributes to earning either USGBC's LEED® SS credit 8 or Build It Green's Multi-Family GreenPoint Systems credit 8.
- High thermal efficiency windows and doors
  - Wood generally insulates much better than aluminum frames.
  - Specifying high thermal efficiency windows and doors contributes to earning either USGBC's LEED® EA prerequisite 2 and credit 1 and EQ credits 6.2 and 7.1 or Build It Green's Single-Family GreenPoint Building Performance credits 2 and 3 or Multi-Family GreenPoint Planning & Design credit 8.
- Visible transmittance (VT) of windows
  - Higher VT values allow in more light
  - Specifying high VT values for glass windows and doors contributes to earning USGBC's LEED® EQ credit 8.
- Maximize daylighting and natural ventilation using operable glass windows and doors.
  - Maximizing daylight reduces the number of light fixtures needed in buildings.
  - Use of natural ventilation reduces the need for mechanical ventilation.
  - Specifying operable glass windows and doors contributes to earning either USGBC's LEED® EA prerequisite 2 and credit 1 and EQ prerequisite 1 and credits 2, 4, 6.2, 7.1, and 8 or Build It Green's Single-Family GreenPoint Building Performance credits 2 and 3 or Multi-Family GreenPoint Planning & Design credit 8.

***BENEFIT: Healthier Products and Practices***

Buildings are one of the most significant threats to health and well-being. Green building products reduce the use of products that are known to have adverse health impacts. Reveal Windows and Doors offers products with the following features:

- Low or no-VOC materials
  - The following are the standards used to set requirements for VOC levels in material:
    - Adhesives, sealants and sealant primers: South Cost Air Quality Management District (SCAQMD) Rule #1168
    - Aerosol adhesives: Green Seal Standard (GS) #36, 2000
    - Architectural paints, coatings and primers: GS-11
    - Clear wood finishes: SCAQMD #1113
  - Using paints and adhesives compliant with the above standards on Reveal Windows and Doors products contributes to earning either USGBC's LEED® EQ credit 4 or Build It Green's Single-Family GreenPoint Finishes credits 2-4 or Multi-Family GreenPoint Finishes credits 4 and 6.
- No-added urea-formaldehyde (NAUF) composite wood products
  - All composite panel products used in Reveal Windows and Doors are CARB compliant with regulated and decreasing amounts of urea-formaldehyde.
  - Specifying the use of NAUF panel material in Reveal Windows and Doors contributes to earning either USGBC's LEED® EQ credit 4 or Build It Green's Single-Family GreenPoint Finishes credit 7 or Multi-Family GreenPoint Finishes credit 8.
- Increasing daylight and outside views provides a connection between occupants inside and the outdoors, which supports a healthier, more productive environment.
  - Increasing area of glazing contributes to earning USGBC's LEED® EQ credit 8.