

## GOSSEN GREEN PRODUCTS FOR SUSTAINABLE DESIGN

What makes a product Green?  
How do you define Green?

There are 89 separate green building codes in the U.S. These codes can be Local or State codes, utility sponsored codes, and National codes.

Here is a listing of some National Codes:

- Energy Star
- NAHB News Green Building Program Feb-08
- USCBC- Leed
- Building Green
- American Lung Assoc.
- Environments for Living
- Building America
- Green Globes

There are several reasons why PVC is considered Green by most Green Councils. The major reason is the sustainable life cycle of PVC versus other materials reducing land fill waste.

Consideration is also being given now to carbon neutral, or low CO2 emission products used in construction due to global warming.

Japan, Germany and soon Canada will be giving tax incentives to use PVC in fenestration products.

In February of 2007, The USCBC-Leed Council removed the negative credit for use of PVC in construction. The Leed rating system reversed this negative credit due to the sustainable life cycle of PVC.



## **Gossen's Recycle Program**

Recycled content is an important feature of many green products from an environmental standpoint. Gossen utilizes two recycle programs.

### Pre-Consumer:

All of Gossen reject material is recycled and added as a filler to certain products. This is a Closed - Loop - recycling program.

### Post-Consumer:

Gossen purchases PVC materials to be recycled diverting this material from Land Fills.

We developed a new compound CFRP to process products that require Sustainability, Life Cycle and has a low fire rating. Appearance does not matter as parts are concealed.

Some of these products include

- Garage Door frames
- Stile and Rail for Steel Entry Doors
- SPA Walls
- Thresholds, etc.

Other advantages of Cellular PVC are:

- A. Is one of the best Insulate Materials.
- B. Cellular PVC has a 60 % greater R- Value than Wood.
- C. Minimal Maintenance is important as it reduces the use of VOC coatings and cleaners.
- D. PVC requires half the petroleum of other plastics.
- E. PVC requires less energy to manufacture than many other products.