

## SUSTAINABILITY BEST PRACTICES

Better buildings are our legacy. Pure + FreeForm recognizes the importance of sustainable construction best practices — from initial design to materials and construction. We recognize that making our buildings more efficient, GREEN, and sustainable is critical to our legacy.

GREEN building practices are essential and can reduce operating costs and enhance building marketability. More importantly, GREEN building practices reduce negative impacts on the environment. We are committed to manufacturing sustainable materials and using best practices in our paint process. At the same time, we are actively working with building owners, design teams, and subcontractors to ensure that the most sustainable options are available.

Pure + FreeForm's commitment to sustainability is fundamental for our product line and our manufacturing process. Our core product line is aluminum — one of the earth's most plentiful recyclables. According to the Aluminum Association, nearly 75 percent of all aluminum ever produced is still in use today.

## RECYCLED MATERIALS & SUSTAINABLE PRODUCTS

Aluminum is a key component in GREEN buildings.

- The Empire State Building (constructed in 1930 – 1932) was the first building to make major use of aluminum components and fabricated structures.
- Aluminum enhances GREEN Building Design. Using aluminum helps building projects qualify for GREEN building status.
- Aluminum contributes to better building practices because aluminum is durable. Low maintenance and corrosion-resistant aluminum buildings require minimal maintenance. Unlike concrete, aluminum requires no extension framework or cure time.

## **GREEN PRODUCTS – Indoor Environmental Quality LEED V4 Low Emitting Materials LEED NC 2.2- EQ4.2**

Our aluminum materials and our painting or gravure process follow best practices for GREEN buildings. They have the following health and/or environmental characteristics:

- Durable and low maintenance requirements
- Do not contain highly toxic compounds & promote good indoor air quality
  - Low or reduced VOC emissions
  - No CFCs, HCFCs or other ozone depleting substances
  - Production does not result in highly toxic by-products
- Recycled content (post-consumer and/or post-industrial)
- 100% Recyclable

Pure+FreeForm aluminum materials have no reportable VOC content. And, our painting or gravure process creates no reportable VOCs. We use different inks and topcoats in our throughout the painting process: and VOCs are decomposed and transformed, with clean gases emitted from our manufacturing plant.

## **LOW-MAINTENANCE REQUIREMENTS**

Pure + FreeForm exclusively uses LUMIFLON resins which were developed in 1982 by Asahi Glass Company, one of the core Mitsubishi companies headquartered in Tokyo. LUMIFLON demonstrates superior performance and with a longer life cycle than other resin coatings.

With its long lifespan, LUMIFLON eliminates the environmental impact of repeated repainting and recoating — another reason LUMIFLON coating contributes to GREEN building materials and GREEN buildings.

## **GREEN PRODUCTS – Regional Manufacturing** **LEED NC 2.2 – MR 5.1, 5.2** **LEED Environmental**

### **GLOBAL SUSTAINABILITY**

Pure + FreeForm and its partners recognize the importance of making a difference in global sustainability. We have sustainable methods and standards for manufacturing our products to minimize the environmental impact. As we look to the future, we are continuing to develop new and improved methods and standards. We are proud to offer the highest quality products and the best value by partnering with companies who care about quality, service, and sustainability.

One of our core focuses is to help reduce the environmental impact associated with transportation of materials. It is important for us to, wherever possible, use suppliers and companies that will use products or materials produced locally. Increasing demand for local materials not only reduces the impact of transportation, but helps support local or indigenous suppliers.

Pure + FreeForm, through a large network of manufacturing facilities and fabrication plants, is able to offer (depending on the specific product solution) an extensive and local supply network across North America and globally. In most areas of the USA we can partner with local fabricators and installers in the immediate locality of the project.

## GREEN PRODUCTS – Recycled Content LEED NC 2.2 – MR 4.1, 4.2

### RECYCLED CONTENT

We use a minimum of 20% post-consumer recycled aluminum in our metal wall and ceiling panels. Our material is single skin aluminum and 100% recyclable, as well as being non-combustible.

Using products which are produced wholly or partially from recycled content reduces the environmental impact of harvesting and processing virgin materials. It also lessens the impact on landfills and other waste-containment systems.

### DURABLE & LOW-MAINTENANCE REQUIREMENTS

Our painting process gives superior quality that goes beyond aesthetics; offering resilience, robust performance and life-cycle cost benefits.

- ✓ Lower life-cycle costs
- ✓ Little or no maintenance
- ✓ Resists UV degradation & corrosion
- ✓ Resists chemical exposure
- ✓ Sustainable
- ✓ Non-Combustible
- ✓ Class A Fire Rating
- ✓ Single Skin
- ✓ 100% Recyclable

Pure + FreeForm understands the importance of sustainable construction best practices. We are doing our part to make buildings more efficient, GREEN, and sustainable.