



Environmental Statement

Manufacturing of any kind places a burden on the environment. Environmental responsibility must begin with a product's ability to be reused, reconfigured, and recycled. Keeping this in mind, **NxtWall** leads the way in product reuse and actively supports the use of sustainable building design.



NxtWall's Unique Commitment to the Environment

There is no disputing the tremendous amount of waste generated by the construction industry, in North America. But today, facilities managers, architects, interior designers and many others are making great progress in saving the environment. But the question still remains, "How do we meet the current needs of business without compromising the environment for future generations?" The following data show we need to act now...

- *United States Environmental Protection Agency states that approximately 30% of all landfill waste is from construction, renovation and demolition while over 55% is from is from new buildings construction.*
- *California Integrated Waste Management Board reported, in 2002, that over 10% of drywall in new construction ends up as scrap.*
- *Cornell University Study concluded that for every square foot of drywall installed one pound was discarded.*
- *U.S. Environmental Protection Agency – Of the 14 Sectors that account for 84% of all Green House Gas (GHG) emission, the construction industry was the 3rd highest with 6% of all GHG emissions.*

These statistics clearly demonstrate the impact of the commercial building industry on our planet...but the impact is equally as great on our people and profits. Our thinking must drastically change from the old mind set of **build, demolish, dispose** over to the new collective consciousness of **reduce, reuse and recycle**. All sectors must take responsibility and work together to become stewards of our planet to ensure we protect our fragile environment for generations to come. We must act now before it is too late.

NxtWall's Approach Supports the "Triple Bottom Line"



SOCIAL



ENVIRONMENTAL



ECONOMIC

Environmental responsibility begins with our product's ability to adapt to its environment and be used over and over again. NxtWall has spent much time and consideration improving two very important aspects of sustainable product design; **product reuse** and **product recycling**. It is our belief that our new generation of movable architectural walls considers all aspects of the Triple Bottom Line. What separates NxtWall and our line of innovative products from earlier generation of walls manufactured by other companies, is our unique product design. The adaptable track and stud system with snap-fit wall board and glazing options deliver a new generation of interior movable walls, far surpassing the traditional "unitized" or "pre-engineered" demountable wall panel. Our truly demountable approach, with "field assembly and fit" allows for a responsible reuse and recycling strategy like no other product on the market today— and most of all— we deliver at an affordable price.



Sustainable Benefits of NxtWall Architectural Walls

Unparalleled Product Reuse strategy

Minimal kit of parts with simplicity of product design.

- All parts are 100% reusable and reconfigurable
- Reduces landfill waste
- Less than 10-part SKU#'s to accommodate installation

Modular Field Assembly with Field Fit Capability

Change panel widths, heights, and configuration easily and quickly.

- Compress construction schedule save time, money and energy
- Ability to change panel height
- Ability to change panel width
- Ability to change panel face configuration and finish

Ability to Support “Daylight Harvesting”

Connect employees to the environment while reducing energy costs.

- Solid panels easily converted to glass with minimal added time and costs
- Inexpensive use of glass for clearstory
- Ability to provide single and double pane glass fronts affordably

Ability to Integrate Use of Regional Materials

Product allows for use of standard construction materials made right next door.

- Ability to utilize regional material accounting for 75% of material weight
- Utilize glazing from local glass tempering facilities

Recycled and Recyclable Content

Entire product can be dropped off at local recycling center.

- Up to 100% recyclable
- Utilizes aluminum and steel frames
- Ability to utilize PET and other recycled materials for insulation

Easy and Cost Effective Recycling

Eliminate time or cost beyond teardown to prepare material for recycling.

- No additional time required to disassemble panel to prepare for recycling
- Product in shipped or disassembled condition ready for recycling without added labor cost

Minimizing Volatile Organic Compounds and Green House Gases

Product construction process and design supports reducing harmful gasses.

- Powder Coating process emits no VOC's
- Ability to integrate non-VOC emitting insulation
- Ability to utilize local regional materials reduces shipping related pollutants
- Adhesives are water based or solvent free, meet or exceed LEED criteria
- Material available in water based stains and paints



LEED v4 for BD+C: New Construction and Major Renovation

Project Checklist

Project Name:

Date:

Y ? N

Y	?	N	Credit	Integrative Process	1
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0	0	0	Location and Transportation	16	
			Credit	LEED for Neighborhood Development Location	16
			Credit	Sensitive Land Protection	1
			Credit	High Priority Site	2
			Credit	Surrounding Density and Diverse Uses	5
			Credit	Access to Quality Transit	5
			Credit	Bicycle Facilities	1
			Credit	Reduced Parking Footprint	1
			Credit	Green Vehicles	1

0	0	0	Sustainable Sites	10	
Y			Prereq	Construction Activity Pollution Prevention	Required
			Credit	Site Assessment	1
			Credit	Site Development - Protect or Restore Habitat	2
			Credit	Open Space	1
			Credit	Rainwater Management	3
			Credit	Heat Island Reduction	2
			Credit	Light Pollution Reduction	1

0	0	0	Water Efficiency	11	
Y			Prereq	Outdoor Water Use Reduction	Required
Y			Prereq	Indoor Water Use Reduction	Required
Y			Prereq	Building-Level Water Metering	Required
			Credit	Outdoor Water Use Reduction	2
			Credit	Indoor Water Use Reduction	6
			Credit	Cooling Tower Water Use	2
			Credit	Water Metering	1

0	0	0	Energy and Atmosphere	33	
Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Building-Level Energy Metering	Required
Y			Prereq	Fundamental Refrigerant Management	Required
			Credit	Enhanced Commissioning	6
			Credit	Optimize Energy Performance	18
			Credit	Advanced Energy Metering	1
			Credit	Demand Response	2
			Credit	Renewable Energy Production	3
			Credit	Enhanced Refrigerant Management	1
			Credit	Green Power and Carbon Offsets	2

0	0	0	Materials and Resources	13	
Y			Prereq	Storage and Collection of Recyclables	Required
Y			Prereq	Construction and Demolition Waste Management Planning	Required
			Credit	Building Life-Cycle Impact Reduction	5
			Credit	Building Product Disclosure and Optimization - Environmental Product Declarations	2
			Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
			Credit	Building Product Disclosure and Optimization - Material Ingredients	2
			Credit	Construction and Demolition Waste Management	2

0	0	0	Indoor Environmental Quality	16	
Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
			Credit	Enhanced Indoor Air Quality Strategies	2
			Credit	Low-Emitting Materials	3
			Credit	Construction Indoor Air Quality Management Plan	1
			Credit	Indoor Air Quality Assessment	2
			Credit	Thermal Comfort	1
			Credit	Interior Lighting	2
			Credit	Daylight	3
			Credit	Quality Views	1
			Credit	Acoustic Performance	1

0	0	0	Innovation	6	
			Credit	Innovation	5
			Credit	LEED Accredited Professional	1

0	0	0	Regional Priority	4	
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1

0	0	0	TOTALS	Possible Points: 110
Certified: 40 to 49 points, Silver: 50 to 59 points, Gold: 60 to 79 points, Platinum: 80 to 110				

To view all of the LEEDv4 for Building Design and Construction project checklists, please visit:

<http://www.usgbc.org/resources/leed-v4-building-design-and-construction-checklist>