

Guide to LEED v4 Credits

When you choose Scranton Products sustainable materials for your restrooms, lockers and other applications, you are supporting a healthier environment. Scranton Products High Density Polyethylene (HDPE) reduces environmental impact and offers both initial and long-term improvements to the indoor air quality of your projects.

Incorporating Scranton Products HDPE sustainable materials can contribute points toward LEED v4 certification in the following categories:

Material & Resources

- Recycled Content
- REACH Optimization
- Construction Waste Diversion

Indoor Air Quality

- Low Emitting Materials
- Interior Lighting - Surface
- Reflectance

Material & Resources

LEED v4 Credit Information - Building Product Disclosure and Optimization - Sourcing of Raw Materials

Option 2. Leadership Extraction Practices (1 point)

Use products that meet at least one of the responsible extraction criteria below for at least 25%, by cost, of the total value of permanently installed building products in the project.

Recycled Content. Recycled content is the sum of post-consumer recycled content plus one-half the pre-consumer recycled content, based on cost. Products meeting recycled content criteria are valued at 100% of their cost for the purposes of credit achievement calculation.

How Scranton Products Contributes to LEED v4 Recycled Content Credit

Scranton Products uses factory responsible recycling to incorporate between 30 and 85% recycled content in each product. This recycled content is made up of both post-consumer and pre-consumer materials. Refer to the charts below for recycled content by color for HDPE Solid Plastic Bathroom Partitions and Lockers made by Scranton Products.

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Post-Consumer & Pre-Consumer Recycled Content

Scranton Products Bathroom Partitions

Color	Hiny Hiders			
	Standard		Fire-Rated	
	Post	Pre	Post	Pre
Black	0%	85%	0%	25%
Blueberry	35%	35%	0%	25%
Bronze	30%	10%	0%	25%
Burgundy	10%	40%		
Charcoal Grey	35%	35%	0%	25%
Concrete	10%	20%		
Desert Beige	35%	5%	0%	25%
Fossil	20%	10%		
Glacier Grey	0%	40%		
French Blue				
Grey	35%	15%	0%	25%
Hunter Green	20%	30%		
Linen	10%	30%	0%	25%
Mahogany	10%	20%		
Mocha	20%	20%	0%	25%
Nickel	30%	10%	0%	25%
Paisley	0%	70%	0%	25%
Sandcastle	10%	30%		
Sandstone	10%	30%		
Shale	20%	30%		
Stainless Steel	20%	20%	0%	25%
White	0%	30%		

Scranton Products Lockers

Color	Tufftec		Duralife	
	Post	Pre	Post	Pre
Black	50%	30%	50%	0%
Blueberry	50%	30%	50%	0%
Burgundy	50%	20%	50%	0%
Charcoal Grey	50%	30%	50%	0%
Desert Beige	50%	15%	50%	0%
Fossil			50%	0%
Glacier Grey	50%	15%	50%	0%
Grey	50%	20%	50%	0%
Hunter Green	50%	20%	50%	0%
Red			50%	0%
Royal Blue			50%	0%
Sandcastle	50%	15%	50%	0%
Steel Blue			50%	0%
Violet			50%	0%
Yellow			50%	0%

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LEED v4 Credit Information - Building Product Disclosure and Optimization - Material Ingredients

Option 2. Material Ingredient Optimization (1 point)

Use products that document their material ingredient optimization using the paths below for at least 25%, by cost, of the total value of permanently installed products in the project.

International Alternative Compliance Path – REACH Optimization. End use products and materials that do not contain substances that meet REACH criteria for substances of very high concern. If the product contains no ingredients listed on the REACH Authorization or Candidate list, value at 100% of cost.

How Scranton Products Contributes to LEED v4 REACH Optimization

The solid plastic sheet material used to construct Scranton Products bathroom partitions and lockers is not manufactured or formulated above the 0.1% threshold, with any of the 161 Substances of Very High Concern (SVHC) listed in the candidate list that is current as of the effective date of December 17, 2014 (<http://echa.europa.eu/web/guest/candidate-list-table>).

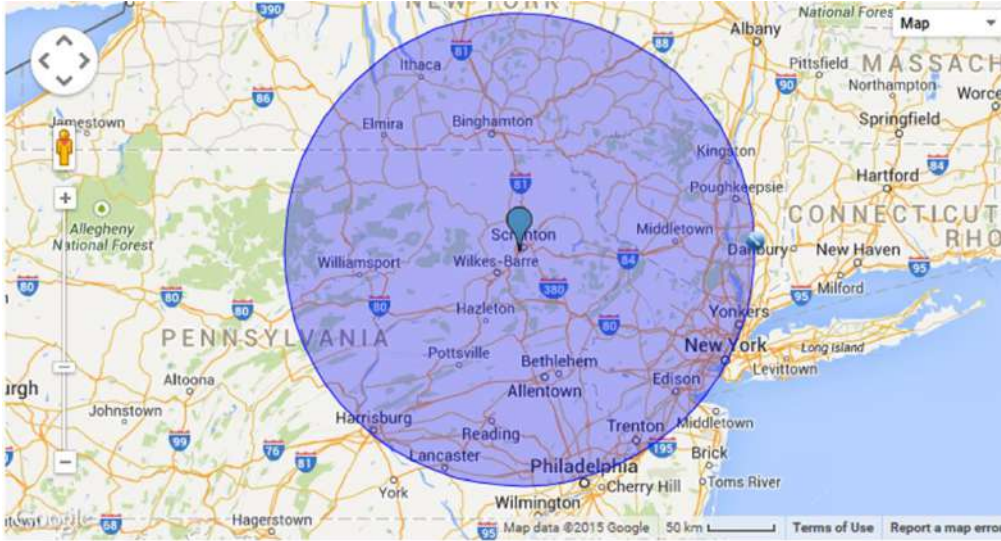
LEED v4 Credit Information – Building Product Disclosure and Optimization - Local Sourcing

For Building Product Disclosure and Optimization credit achievement calculation (Recycled Content and REACH Optimization), products sourced (extracted, manufactured, and purchased) within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost.

How Scranton Products Contributes to LEED v4 Local Sourcing

Below is a map showing a 100 mile radius from Scranton Products manufacturing location at 801 East Corey Street, Scranton, PA 18505.

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LEED v4 Credit Information - Construction and demolition waste management

Recycle and/or salvage nonhazardous construction and demolition materials. Calculations can be by weight or volume but must be consistent throughout.

Option 1. diversion (1-2 points)

Path 1. divert 50% and three material streams (1 point)

Divert at least 50% of the total construction and demolition material; diverted materials must include at least three material streams.

Path 2. divert 75% and four material streams (2 points)

Divert at least 75% of the total construction and demolition material; diverted materials must include at least four material streams.

Option 2. reduction of total waste material (2 points)

Do not generate more than 2.5 pounds of construction waste per square foot (12.2 kilograms of waste per square meter) of the building's floor area.

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How Scranton Products Contributes to LEED v4 Construction Waste Diversion

Scranton Products HDPE solid plastic products are 100% recyclable. Scranton Products offers a program by which all unwanted solid plastic articles we manufacture can be returned for recycling. Please contact a customer service agent for more information.

Indoor Environmental Quality

LEED v4 Credit Information - Low Emitting Materials

Furniture evaluation. New furniture and furnishing items must be tested in accordance with ANSI/BIFMA Standard Method M7.1–2011. Comply with ANSI/BIFMA e3-2011 Furniture Sustainability Standard, Sections 7.6.1 and 7.6.2, using either the concentration modeling approach or the emissions factor approach. Model the test results using the open plan, private office, or seating scenario in ANSI/BIFMA M7.1, as appropriate. USGBC-approved equivalent testing methodologies and contaminant thresholds are also acceptable. For classroom furniture, use the standard school classroom model in CDPH Standard Method v1.1. Documentation submitted for furniture must indicate the modeling scenario used to determine compliance.

Salvaged and reused furniture more than one year old at the time of use is considered compliant, provided it meets the requirements for any site-applied paints, coatings, adhesives, and sealants.

How Scranton Products Contributes to LEED v4 Low Emitting Materials

Scranton Products solid plastic bathroom partitions and lockers are GREENGUARD Gold certified. Please click on the link below to download GREENGUARD certification documents <http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1033>. In addition, Scranton Products solid plastic HDPE products do not require any site-applied paints, coatings, adhesives or sealants. Power-washable and steam cleanable means harmful chemical cleaners are not needed.

LEED v4 Credit Information - Interior lighting

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Option 2. Lighting quality (1 point)

Choose four out of seven strategies.

- E. For 90% of the regularly occupied floor area, meet the following thresholds for area-weighted average surface reflectance: 85% for ceilings, 60% for walls, and 25% for floors.
- F. If furniture is included in the scope of work, select furniture finishes to meet the following thresholds for area-weighted average surface reflectance: 45% for work surfaces, and 50% for movable partitions.
- G. For 75% of the regularly occupied floor area, meet ratio of average wall surface illuminance

Color Selection	LRV	Partitions	Tufftec	Duralife
Black	4	●	●	●
Blueberry	6	●	●	●
Bluestone	32	●		
Bronze	22	●		
Burgundy	8	●	●	●
Charcoal Grey	15	●	●	●
Chestnut	8	●		
Concrete	36	●		
Desert Beige	40	●	●	●
Fossil	24	●		●
Glacier Grey	72	●	●	●
Gravel	35	●		
Grey	33	●	●	●
Hunter Green	7	●	●	●
Linen	63	●		
Mahogany	5	●		
Mocha	31	●		
Nickel	30	●		
Onyx	5	●		
Paisley	4	●		
Parchment	54	●		
Red	11			●
Royal Blue	7			●
Sandcastle	50	●	●	●
Sandstone	44	●		
Shale	11	●		
Stainless Steel	31	●		
Steel Blue	28			●
Storm	11	●		
Titanium	33	●		
Violet	9			●
White	87	●		
Yellow	49			●

(excluding fenestration) to average work plane (or surface, if defined) illuminance that does not exceed 1:10. Must also meet strategy E, strategy F, or demonstrate area-weighted surface reflectance of 60% for walls.

How Scranton Products Contributes to LEED v4 Interior Lighting

Scranton Products offers several colors with a surface reflectance greater than 50% as measured using Light Reflectance Value (LRV).

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