

# NORTON LEED® v4 Certification Contribution

Norton®

ASSA ABLOY



ASSA ABLOY, the global leader  
in door opening solutions



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*The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ is the nationally accepted benchmark for the design, construction, and operation of high performance green buildings. LEED promotes a whole-building approach to sustainability by recognizing performance in seven key areas of human and environmental health: sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, innovation in design and regional priority credits.*

Founded in 1880 by Lewis C. Norton, Norton Door Check Company began manufacturing and marketing the first practical commercial door closers. Since 1957, Norton Door Controls have been manufactured in Monroe, North Carolina. Norton offers traditional surface, industrial economy, overhead concealed, security, commercial, architectural, electromechanical and electrified closers.

Norton can help to achieve prerequisites and accumulate points in the following categories and credit areas of LEED. For further information, please call 877-974-2255 or refer to our website [www.nortondoorcontrols.com](http://www.nortondoorcontrols.com) or [www.assaabloydss.com/sustainability](http://www.assaabloydss.com/sustainability)

## Energy & Atmosphere (EA)

### Minimum Energy Performance (Prerequisite)

BD+C  
ID+C  
O+M

Establish the minimum level of energy efficiency for the proposed building and systems to reduce environmental and economic impacts associated with excessive energy use.  
**Norton door closers ensure exterior door openings are latched and closed, reducing air infiltration which can help contribute towards the minimum requirements of energy efficiency.**

### Optimize Energy Performance

BD+C  
ID+C  
O+M

Achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.

## Materials and Resources (MR)

### Building Product Disclosure and Optimization - Environmental Product Declarations

BD+C  
ID+C

Increase the use of products and materials with life cycles, ingredients, and attributes that improve overall environmental, economic and social performance. Use at least 20 permanently installed products sourced from at least five different manufacturers that have product-specific declarations, industry-wide generic environmental product declarations (EPDs), or Product-specific Type III EPDs.

**Norton has developed a Type III EPD, compliant with ISO standards and EN 15804.**

## Materials and Resources (MR) *(continued)*

### Building Product Disclosure and Optimization – Sourcing of Raw Materials (Option 2)\*

BD+C  
ID+C

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: extended producer responsibility, bio-based materials, wood products, materials reuse, recycled content, or other USGBC approved program.

We strive to make durable sustainable products that can assist projects in attaining this credit. Norton has a recycling program in place which Norton seeks to extend responsibility for proper recycling and disposal of the Norton products at their end of life.

Norton Product	Post-consumer Recycled Content *	Pre-consumer Recycled Content **	Total LEED Recycled Content Percentage
9500 Cast Iron Closer	91.1%	0%	91.1%
7500/7700 Aluminum Closer	78.3%	0%	78.3%
8000 Aluminum Closer	80.1%	0%	80.1%
1600 Aluminum Closer	88.8%	0%	88.8%
9300BC Aluminum Closer	52%	0%	52%
1700BC Aluminum Closer	52%	0%	52%
78B/F Potbelly Closer	52%	0%	52%
7900 Overhead Closer	52%	0%	52%
2800ST Cam Closer	59%	0%	59%
7100SZ SafeZone	88.6%	0%	88.6%
7200 Electromechanical	77%	0%	77%
6000 Operator	72%	0%	72%
5700 Operator	71.9%	0%	71.9%
5600 Operator	82.8%	0%	82.8%
5800 Operator	75%	0%	75%
6300 Operator	83%	0%	83%

\*Recycled content defined in accordance with industry standards

\*\*Pre-consumer recycled content refers to waste material that is diverted from the waste stream and immediately placed back into the production cycle.

†Waste materials generated by the production of Rockwood products are collected and shipped off site where it then reenters the recycle stream.

\*\*\* Must specify if a metal or ABS cover is needed for 7500 or 8000 closers. Use M for metal, G for ABS.

### Building Product Disclosure and Optimization – Material Ingredients: Material Ingredient Reporting (Option 1)

BD+C  
ID+C

Select products for which the chemical ingredients in the product are inventoried to at least 0.1% (1000ppm). Acceptable material disclosure methods include: a self-published manufacturer inventory (disclosing material name and CAS numbers, or role, amount and GreenScreen v1.2 benchmarks), a Health Product Declaration disclosing all known hazards, or, Cradle to Cradle v2 basic Level certification or Cradle to Cradle v3 Bronze Level.

Norton seeks to understand and transparently report the materials used in our products, ensuring that our products are safe for the consumer. Norton has published Declare Labels for the following products with full disclosure of known hazards:

- 6000 Door Operator
- 7500 Door Closer with Metal Cover

## Indoor Environmental Quality (EQ)

Minimum Acoustic Performance (Prerequisite) BD+C – Schools Only	To provide classrooms that facilitates better teacher-to-student and student-to-student communications through effective acoustical design. Norton hardware and door closers insure STC rated door openings are latched and closed, reducing sound infiltration and helping LEED projects gain credit for Acoustic Performance.
Enhanced Indoor Air Quality Strategies BD+C ID+C	To promote occupant’s comfort, well-being and productivity by improving indoor air quality through enhanced IAQ strategies (mechanically ventilated spaces, naturally ventilated systems and mix-mode systems). Norton door closers ensure entryways allow self-closing doors to help prevent interior cross-contamination.
Acoustic Performance BD+C ID+C: Excluding Retail	Provide workspaces and classrooms which promote occupants’ well-being, productivity, and communications through effective acoustic design. Norton hardware and door closers insure STC rated door openings are latched and closed, reducing sound infiltration and helping LEED projects gain credit for Acoustic Performance.

†Note on IEQ: Many ASSA ABLOY products do not contribute to the Low-Emitting Material credit since door hardware products are not eligible. However, since the products are comprised of primarily plated metal, they are inherently non-emitting sources and do not require VOC testing.



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