

**QUA
BOING®**

Resilient Rubber Surfacing!

& LEED V3



SUSTAINABLE SITES

Stormwater Design – Quantity Control

SS Credit 6.1: 1 Point

INTENT

To limit disruption of natural hydrology by reducing impervious cover, increasing on-site infiltration, reducing or eliminating pollution from stormwater runoff and eliminating contaminants.

REQUIREMENTS

CASE 1. Sites with Existing Imperviousness 50% or Less

OPTION 1

Implement a stormwater management plan that prevents the postdevelopment peak discharge rate and quantity from exceeding the predevelopment peak discharge rate and quantity for the 1- and 2-year 24-hour design storms.

OR

OPTION 2

Implement a stormwater management plan that protects receiving stream channels from excessive erosion. The stormwater management plan must include stream channel protection and quantity control strategies.

CASE 2. Sites with Existing Imperviousness Greater Than 50%

Implement a stormwater management plan that results in a 25% decrease in the volume of stormwater runoff from the 2-year 24-hour design storm.

POTENTIAL TECHNOLOGIES & STRATEGIES

Design the project site to maintain natural stormwater flows by promoting infiltration. Specify vegetated roofs, pervious paving and other measures to minimize impervious surfaces. Reuse stormwater for non-potable uses such as landscape irrigation, toilet and urinal flushing, and custodial uses.

HOW QUABOING CAN HELP:

QuaBoing tiles and loose surfacing provide a porous, draining surface that can be used in place of impervious options such as a pour-in-place playground or a concrete walkway. Consider using loose QuaBoing with edging borders to surface walkways in order to reduce impervious surfaces.

MATERIALS AND RESOURCES

Recycled Content

MR Credit 4: 1-2 Points

INTENT

To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

REQUIREMENTS

Use materials with recycled content¹ such that the sum of postconsumer² recycled content plus 1/2 of the preconsumer³ content constitutes at least 10% or 20%, based on cost, of the total value of the materials in the project. The minimum percentage materials recycled for each point threshold is as follows:

RECYCLED CONTENT	POINTS
10%	1
20%	2

The recycled content value of a material assembly is determined by weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value. Mechanical, electrical and plumbing components and specialty items such as elevators cannot be included in this calculation. Include only materials permanently installed in the project.

POTENTIAL TECHNOLOGIES & STRATEGIES

Establish a project goal for recycled content materials, and identify material suppliers that can achieve this goal. During construction, ensure that the specified recycled content materials are installed. Consider a range of environmental, economic and performance attributes when selecting products and materials.

HOW QUABOING CAN HELP

Quaboing is composed of 100% preconsumer recycled content as defined by the International Organization of Standards document, ISO 14021— Environmental labels and declarations. Preconsumer material as material diverted from the waste stream during the manufacturing process. Reutilization of a material capable of being reclaimed within the same process that generated it is excluded.

MATERIALS AND RESOURCES

Regional Materials

MR Credit 5: 1-2 Points

INTENT

To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

REQUIREMENTS

Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20%, based on cost, of the total materials value. If only a fraction of a product or material is extracted, harvested, or recovered and manufactured locally, then only that percentage (by weight) can contribute to the regional value. The minimum percentage regional materials for each point threshold is as follows:

REGIONAL MATERIALS	POINTS
10%	1
20%	2

Mechanical, electrical and plumbing components and specialty items such as elevators and equipment must not be included in this calculation. Include only materials permanently installed in the project.

POTENTIAL TECHNOLOGIES & STRATEGIES

Establish a project goal for locally sourced materials, and identify materials and material suppliers that can achieve this goal. During construction, ensure that the specified local materials are installed, and quantify the total percentage of local materials installed. Consider a range of environmental, economic and performance attributes when selecting products and materials.

HOW QUABOING CAN HELP

QuaBoing tiles and loose surfacing are manufactured in North Brookfield, Massachusetts and can contribute to the regional materials credit for projects throughout New England, New York State, New Jersey, Pennsylvania, Maryland, and Delaware.

INDOOR ENVIRONMENTAL QUALITY

Low-Emitting Materials

IEQ Credit 4.1: 1 Point

INTENT

To reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

REQUIREMENTS

All adhesives and sealants used on the interior of the building (i.e., inside of the weatherproofing system and applied on-site) must comply with South Coast Air Quality Management District Rule #1168.

HOW QUABOING CAN HELP

QuaBoing can securely be installed utilizing a low-VOC weatherproof adhesive such as PL 375.