



Product Compatibility Evaluation – LEED® - NC Canada

GA Product Evaluation No. 08-001-V01

Date of Evaluation: June 2008

Product Name: **SF-Rima™**
Manufacture Name: **Expocrete Concrete Products Ltd.**

Product Type: **Porous Unit Paving**
Master Format Code: **32 14 43**

Product Description:

SF-Rima™ pavers are an innovative and environmentally beneficial system designed to reduce or eliminate storm water runoff, decrease flooding, and relieve sewer systems. They are ideal for turf pavement, which allows for irrigation and cooling of surfaces. The base of SF-Rima™ pavements provide infiltration and partial treatment of storm water pollution for improved water quality. Additionally, SF-Rima™ is effective in even the coldest climates. The concrete stones are freeze-thaw and deicing salt resistant. Please visit www.expocrete.com for further information.

LEED®-NC Canada Product Compatibility Chart – *Direct Product Compatibility*

Sustainable Sites

Credit No.	Credit Name	Credit Requirements	Product Compatibility
6.1	Stormwater Management: Rate and Quantity	To minimize impervious surfaces and to encourage the natural processes of infiltration. Determine existing site imperviousness. Design for 50% or less imperviousness within a 1.5 year, 24hr peak discharge rate.	SF-Rima™ permeable concrete pavements can reduce runoff of almost 100% from frequent, low intensity and short rainstorms. The long-term infiltration rate is estimated at 3 in./hr for a 20-year life. It is recommended however, to provide drainage swales to handle flows that exceed the design rainstorm.
6.2	Stormwater Management: Treatment	Remove 80% of the average annual post-development total suspended solids (TSS) and 40% of the average annual post-development total phosphorous (TP) based on the average annual loadings from all storms less than or equal to the 2-year/24-hour storm.	SF-Rima™ permeable concrete pavements can reduce TSS by up to 95% and TP by up to 70%.
7.1	Heat Island Effect: Non-Roof	Provide shade (within 5 years) and/or use light-coloured / high-albedo materials (reflectance of at least 0.3) and/or open grid pavement for at least 30% of the site's non-roof impervious surfaces, including parking lots, walkways, plazas, etc.	SF-Rima™ pavers which are light coloured can assist in meeting this LEED requirement. *Emissivity testing by ASTM TBA.

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Green Alberta

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Materials & Resources

Credit No.	Credit Name	Credit Requirements	Product Compatibility
4.1 & 4.2	Recycled Content: 7.5% and 15% (post consumer + ½ post industrial)	7.5% to 15% recycled content as a project average (by weight) of all div.2-10 project materials.	Product contains 3.5% post-industrial and 0% post-consumer recycled content.
5.1 & 5.2	Regional Materials: 10% and 20% (Extracted and Manufactured Regionally)	10% to 20% of all div.2-10 project materials (by weight) to be extracted and manufactured within 800km - 2400km via truck or rail respectively.	Product components come from Montana, Georgia and Missouri, US and Alberta, CA. Product is manufactured in Acheson, Alberta, CA. *Depending on the project site this product may meet the requirements.

LEED®-NC Canada Product Compatibility Chart – *Indirect Product Compatibility*

Materials & Resources

Credit No.	Credit Name	Credit Requirements	Product Compatibility
2.1 & 2.2	Construction Waste Management: 50% and 75%	Divert 50% to 75% project construction waste from landfill	The product is 100% recyclable. However, the manufacturer does not have a take back program.

General Information for LEED®

Material Costs: Pricing can vary depending on size of order. Basic contractor price: \$2.14/ stone or \$3.46/sq ft	Material Weight: Main stone (grass joint and drainage joint) is 7.4 kg/stone. Edging stone is 3.5 kg/stone.
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Note – The use of this product can contribute to the process of achieving points in the categories listed above however specifying this product does not guarantee point achievement or LEED® certification of a project.

Disclaimer:
The information provided on this sheet is believed to be accurate as of the date noted. However, Green Alberta (GA) makes no warranty either expressed or implied, concerning the accuracy or completeness of this information. Any information that changes after the evaluation date is the responsibility of the manufacturer / supplier to inform GA and request an updated LEED® Compatibility Chart.

Note: Please Print Double Sided

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A: Suite 600A 10117-Jasper Avenue Edmonton, Alberta T5J 1W8, CA

W: www.greenalberta.ca

E: info@greenalberta.ca

P: 1.780.466.7616

TF: 1.866.430.7616

