



ELEMENT™ PORTLAND, PORTLAND-LIMESTONE AND BLENDED CEMENTS

Using the Synergia™ Process, our ELEMENT™ Portland Cement products require less energy and produce fewer harmful emissions during production than others cement in the market.

VALIDATED ECO-DECLARATION

PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
References ELEMENT™ Portland, Portland-Limestone and Blended cements Type GU / Type MS / Type I / Type II / Type I/II / ProBase™ Type GU PER / Type I PER, Type HE / Type III, Type GUb-SF / CompactCem™ Type MHb-F / ENERcem™ / Type GUL / IL	Life Cycle Assessment March/2021 Reference service life - Product's carbon footprint - Environmental Product Declaration Product-specific (EPD) Type III ISO 14025:2006 June/2021	Performance tests CSA A3001-18 AASHTO M85 ASTM C150/C150M-19a ASTM C1157/C1157M-17 ASTM C595 AASHTO M240
Final manufacturing location 145, Blvd Centenaire, Saint-Basile, Quebec, QC, G0A 3G0, CANADA	INGREDIENTS AND EMISSIONS Declaration of chemical ingredients 100 ppm Type of declaration HPD® version 2.2 Health Product Declaration® June/2021 to June/2024	MANUFACTURER'S ENVIRONMENTAL MANAGEMENT ISO 14001 Certification - Extended Product Responsibility - (Take Back Program) Corporate Sustainability Report - (CSR: GRI, ISO 26000, BNQ 21000 or others)
Composition Clinker, Fly ash class F, Gypsum, Silica fume, Limestone and Grinding aids.	Emissions test - VOC - Formaldehyde - Others -	CERTIFICATION(S) & CONFORMITIES   Meets the U.S. EPA NESHAP standards (National Emission Standards for Hazardous Air Pollutants Compliance Monitoring)
ATTRIBUTES Recycled content Pre-consumer: 0% Post-consumer: 0% - 10% Sourcing of raw materials Data collection from suppliers has been conducted for the products components aligned with each specific environmental analysis. Certified Wood - Rapidly renewable materials - Biobased materials -		

Ciment Québec inc. (CQI) in an integrated cement group that includes several divisions in the cement, concrete and aggregate sectors. CQI has one of the most modern cement plants in North America that enables us to produce eco-efficient cements of the highest quality.

145 Centenaire Blvd, Saint-Basile (QC) G0A 3G0, CANADA
www.cimentquebec.com

Master Format: **03 30 00**
 Validated Eco-Declaration: **VED20-1094-01**
 Original issue date: **2021/06**
 Period of validity: **2021/06 à 2022/06**

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ENVIRONMENTAL DATA SHEET

PORTLAND CEMENT ELEMENT™



PRODUCT CONTRIBUTION SUMMARY

LEED® v4 requirements for Building Design + Construction (BD+C)

New Construction, Core and Shell, Schools, Retail, Data Centers, Warehouse and Distribution Centers, Hospitality and Healthcare.

LEED® v4 requirements for Interior Design + Construction (ID+C)

Commercial Interiors, Retail and Hospitality.

MATERIALS AND RESOURCES		PRODUCT CONTRIBUTIONS	
MR	Building Product Disclosure and Optimization – Environmental Product Declaration (EPD) Option 1: Environmental Product Declaration (1 point) The product contribute to this credit due to the availability of a product-specific EPD (Type III) and are valued as 1 whole product out of the 20 needed for the purposes of credit achievement.	Contribute	ENVIRONMENTAL IMPACTS Product-specific (EPD) Type III compliant to ISO 14025:2006 *except cement Type MHB-F / ENERcem™
MR	Building Product Disclosure and Optimization – Sourcing of Raw Materials Option 2: Leadership extraction practices (1 point) Requirements - Use products that meet at least one of the responsible extraction criteria: Recycled content, Wood products Certification, Bio-based materials, Extended producer responsibility.	Contribute	ATTRIBUTES Recycled content Pre-consumer: 0% Post-consumer: 0% - 10%
MR	Building Product Disclosure and Optimization – Material Ingredients Option 1: Material ingredients reporting (1 point) The product contributes to this credit due to the availability of Health Product Declarations®. They are valued as 1 whole product out of the 20 needed for the purposes of credit achievement.	Contribute	INGREDIENTS AND EMISSIONS HPD® version 2.2 Health Product Declaration®

It is important to consider that the total amount of possible points reflects the number of achievable points in each credit category. The product itself cannot achieve this score, as defined above, but is considered as a beneficial element in order to achieve LEED® credits.

The data included in this Environmental Data Sheet has been provided by the client and the suppliers, who are responsible for its veracity and its integrity. Vertima follows a rigorous protocol, including a desktop audit of the factory data, also an audit of the manufacturer's supply chain documentation, the analysis and validation of all supporting documents. However, Vertima cannot be held responsible for false or misleading information that may cause any loss or damage suffered, caused in all or in part, by errors and omissions relative to the collection, compilation and/or interpretation of data.

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