



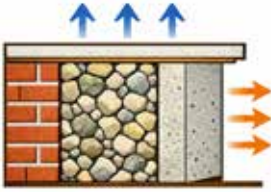
CIVIL INFRASTRUCTURE PROJECTS



**Save Time,
Money & the
Environment**

**An innovative, sustainable
lightweight fill material made
entirely from recycled glass!**

enviro-corp.ca



Thermal & Sound Insulation

The closed-cell structure of Enviro-Rock delivers superior thermal insulation and reduces sound transmission for a quieter environment.



Fireproof & Frost-Resistant

The glass chemistry enables Enviro-Rock to withstand extremely high temperatures without degrading. It also resists very low temperatures, making it durable through repeated freeze-thaw cycles.



Sustainable

Produced entirely from recycled glass, Enviro-Rock actively diverts waste from landfills. It offers a sustainable replacement for lightweight materials.



Light Weight & Strong

Enviro-Rock delivers up to 10x less weight than traditional aggregates without sacrificing structural load-bearing performance.



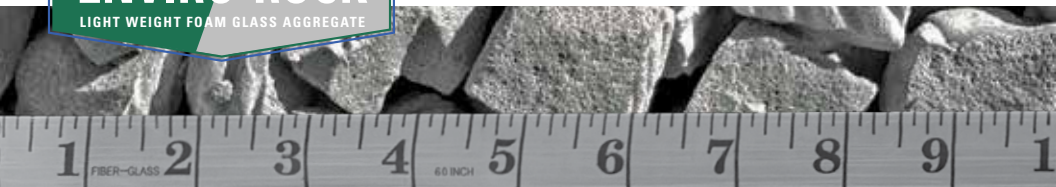
Free-Draining & Closed Cell

With its closed-cell structure, Enviro-Rock does not absorb water. Similar to drain rock or clear gravel, it allows water to flow throughout the material.



Cost Effective

Enviro-Rock is typically cheaper per unit than its competitors. As well, its ultra-light weight maximizes truckload volumes to slash shipping fees. Its quick placement and minimal compaction drastically reduces on-site labor costs.





ROADWAY SUBGRADE LAYER

Enviro-Rock creates a stable, insulating road foundation for soft or unstable soils. Its lightweight structure reduces settling under heavy traffic and acts as a thermal barrier to help prevent frost heave and pavement cracking in colder climates.

BRIDGE ABUTMENTS

Enviro-Rock combines structural strength and lightweight aggregate in one product. Its light weight and excellent drainage reduce settlement and earth pressures, making it ideal for bridge approaches, abutments, and parkade applications.

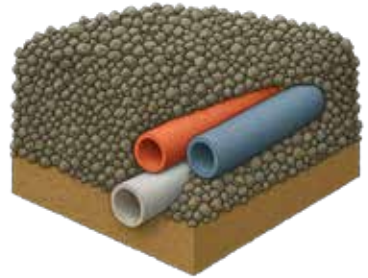


RETAINING WALLS

Enviro-Rock cuts lateral earth pressure by up to 90%, relieving structural stress on retaining walls. Its free draining properties prevent moisture buildup. Easier to place & compact, it accelerates construction compared to heavy gravel.

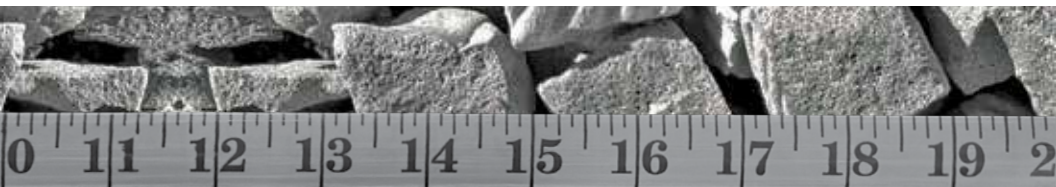
UTILITY SERVICES & PIPELINES

Enviro-Rock provides a lightweight, insulating and free-draining backfill for manholes and utility pipelines in any climate. Crucially, it prevents excess dead weight from loading above buried services, protecting your critical infrastructure from extreme temperatures, frost-heaves and load-induced ground movement.



ROAD EMBANKMENT

Enviro-Rock stabilizes embankments built over weak soils by drastically reducing overall load. Its high internal friction angle ensures slope stability against sliding, enabling higher embankment designs while reducing the risk of long-term settlement.



TECHNICAL SPECIFICATIONS



CATEGORY	VALUE	UNIT
PHYSICAL CHARACTERISTICS		
Average Grain Size	1-3	inches
Average Dry Bulk Density (Uncompacted)	12.5	lb/ft ³
Average Dry Bulk Density (20% compacted)	15.0	lb/ft ³
MECHANICAL PROPERTIES		
Compressive Strength @ 10% compacted	81	PSI
Compressive Strength @ 20% compacted	147	PSI
Compressive Strength @ 30% compacted	242	PSI
Freeze thaw weighted loss (CSA A23.2-24A)	4.0*	%
Angle of Friction @ 9.4 PSI	39	degrees
HYDRAULIC & VOID PROPERTIES		
Intergranular Void Space (Uncompacted)	50**	%
Intergranular Void Ratio (20% compacted)	30**	%
Water Absorption (Uncompacted)	7.2	%
THERMAL PROPERTIES		
R Value per Inch (Dry)	2.4	ft ² · hr · °F/BTU-in

*Note: Weighted loss of Reference Aggregates from testing is 14.2% which is within the specified limits of 8.5% - 15.3% (MTO RM CA2).

**Note: Number based on worldwide averages.



Manufactured by Enviro-Corp Recycling
A division of United Concrete & Gravel Ltd.

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