



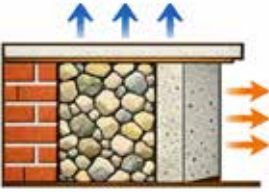
BUILDING CONSTRUCTION PROJECTS



**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.



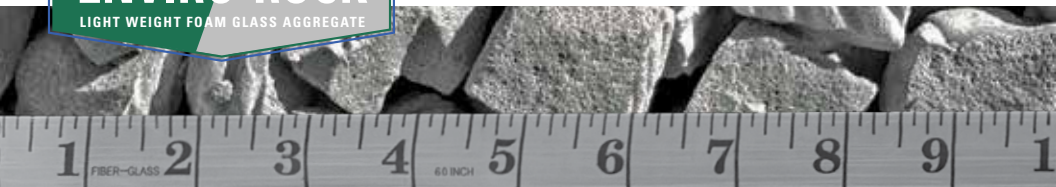
Free-Draining & Closed Cell

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.





DRIVEWAY SUBSTRUCTURE

Enviro-Rock is installed beneath driveways to provide a stable, load-bearing structural sub-base. By acting as a thermal barrier, it protects the paved surface from frost heave and cracking during freeze-thaw cycles. Its durable structure ensures long-lasting performance under heavy loads.

GREEN ROOFS & PATIOS

Enviro-Rock is installed in elevated patios and green roofs where strict structural load limits must be met.

Its ultra lightweight density allows designers to achieve required build-ups without overstressing the structure. The material remains inert and dimensionally stable over time.



RETAINING WALL BACKFILL

Behind retaining walls, Enviro-Rock significantly lowers lateral earth pressures compared to traditional granular backfill. Reduced backfill weight decreases structural demand on the wall system. Its permeability supports proper drainage within the assembly.

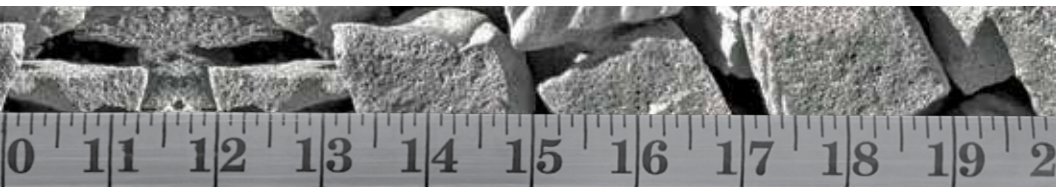
POOL INSULATION

Enviro-Rock provides a controlled sub-base for pools and other settlement-sensitive installations. By limiting imposed loads on variable soils, it helps reduce the risk of differential movement. The free-draining structure prevents water buildup beneath the slab.



SUB-SLAB, FOOTING, FOUNDATION

Enviro-Rock is used beneath slab-on-grade foundations to reduce dead load over weak or settlement-sensitive soils. By lowering the imposed weight, it helps control long-term settlement while maintaining uniform slab support. Its closed-cell structure also resists moisture and frost intrusion.



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.

