Edinburg TerraLite™

Engineered Shale Backfill

Lightweight. Stable. Efficient. Versatile.

Edinburg TerraLite™ is an engineered shale backfill produced from the Ordovician-age Edinburg Formation at Titan America's Troutville Quarry. TerraLite™ delivers a lightweight, stable, and cost-effective solution for a wide range of civil, geotechnical, and infrastructure applications. Its engineered gradation promotes drainage, reduces hydrostatic pressure, and compacts easily providing consistent, economic performance across challenging topography.

Why TerraLite™?

- **Lightweight Advantage:** Reduces structural loads and settlement.
- **Engineered Gradation:** Improves drainage and minimizes pressure.
- **Consistent Performance:** Predictable compaction and stability.
- **Cost Efficiency:** A smarter alternative to clay, dirt, or traditional aggregates.
- **Local Supply:** Sourced from Troutville Quarry for reduced haul distance and cost.

Typical Applications

- Infrastructure and commercial site development
- Bridge abutments and wing walls
- Mechanically stabilized earth (MSE) systems
- Lightweight fill for embankments and steep slopes
- Utility trench backfill in poor soils
- Roadway and pavement support over weak subgrades
- Green infrastructure and large-scale landscaping projects

Design Benefits / Differentiators

- Lighter fill reduces lateral earth and hydrostatic pressures.
- Engineered for reliable, consistent performance and easy compaction.
- Economical alternative to on-site soils or traditional aggregates.
- Tested and recommended by geotechnical engineers for critical backfill applications.

Material Origin & Composition

- **Source:** Edinburg Formation shale (Ordovician), Troutville Quarry, Virginia.
- **Processing:** Screened for consistent gradation and compaction performance.
- **Custom Gradations:** Available upon request.

Typical Engineering / Physical Properties
3" Minus Shale

Property	Typical Value	Notes
Maximum Particle Size	3" Minus (adjustable)	Custom gradations available
Unit Weight (Loose)	~ 90-100 pcf	As delivered
Unit Weight (Compacted)	~115-125 pcf	At ≥95% Standard Proctor
Plasticity Index (PI)	≤ 6	Low-plastic shale
Liquid Limit (LL)	≤ 25	Non-expansive
% Passing No. 4 Sieve	50-70%	Adjustable for drainage performance
% Passing No. 200 Sieve	10% ≤	Free-draining material
Compaction	≥ 95% of Standard Proctor	Typical installation

Ordering & Contact Information

(540) 765-3424

Region: Greater Roanoke, Virginia
(within ~60-mile radius)

TROUTVILLE AGGREGATES