LIGHTWEIGHT AGGREGATE BACKFILL

Expanded Shale, Clay and Slate (ESCS)

ECONOMICAL • FAST • SIMPLE • PRACTICAL • CONSISTENT

THE TOTAL GEOTECHNICAL SOLUTION
LESS WEIGHT: In place compacted moist densities between 40-65 lbs/ft³ which is less than 1/2 that of ordinary fills

STABLE: Phi angle, $\phi$ 35° - 45°+, granular aggregate

FREE DRAINING: Permeable; > 1 cm/sec assured by manufactured aggregate

ABRASION RESISTANT: LA Abrasion 20 - 40%

STRUCTURAL MATERIAL: Meets ASTM C330 Structural Lightweight Aggregate

AVAILABILITY: Readily available throughout the continental United States and Canada

DURABLE: The material is tough and does not break down during handling. It has a typical magnesium sulfate soundness loss of less than 6%.

DELIVERY: Quick delivery using standard methods: truck, rail, barge

SIMPLE: Behaves like typical granular fill except easier to handle

STANDARD EQUIPMENT: Loaders, static rollers and plate compactors

NO FORMWORK: Just spread and compact

NOT WEATHER SENSITIVE: May be installed in any weather

FAST: No wait for next lift

TWICE THE VOLUME PER TRUCKLOAD (by weight): Means 50% fewer trucks on the road

TOTA LLY INERT VITREOUS CERAMIC: Will not degrade or change over time

NO MAINTENANCE: One application

INFRASTRUCTURE PRESERVATION: Provides rehab option vs. mandatory replacement

ECONOMICAL: Hundreds of successfully completed projects over the last 40 years

UNCOMPPLICATED, RELIABLE, PREDICTABLE: Provides permanent solution

LAND USE: Converts unstable soil into usable land

For the TOTAL SOLUTION Properties, Prices, Specs, and Manufacturers, visit Our Website at www.escsi.org

Material Supplier

Expanded Shale, Clay and Slate Institute
2225 Murray Holladay Road, Suite 102
Salt Lake City, UT 84117
801-272-7070 • Fax 801-272-3377
www.escsi.org • info@escsi.org