



LIGHTWEIGHT PERFORMANCE WITHOUT SACRIFICING STRENGTH

Patent Pending Mineral Aggregate for Cementitious, Gypsum, Resin, and Specialty Systems

Spex•Crete™ G5 Lightweight Aggregate is a proprietary lightweight mineral aggregate engineered as a partial replacement for conventional sand. By reducing system density while maintaining excellent compressive strength and workability, G5 enables manufacturers and contractors to produce lighter, easier-to-place formulations without sacrificing performance. It disperses easily, remains suspended during mixing and pumping, and is ideal for floor underlayments, lightweight concrete, roof coatings, GFRC, 3DCP, resin systems, and other specialty building products.



Physical Properties	
Melting Point	~1,920 – 2,280°F
Color	Off – White
pH	~6.5 – 8
Particle Shape	Sphere/egg
Mohs Scale	~5.5 – 7.0
Avg Size (µm)	~150 – 175
Avg Spec. Gravity (g/cm ³)	~0.54
Avg Bulk Density (lb/ft ³)	~20

REDUCE WEIGHT

5:1 Sand Replacement
Lower Finished Density
Easier Handling / Shipping

MAINTAIN PERFORMANCE

High Compressive Strengths
Stable Mineral Particle
Non-Toxic; No Free Silica

IMPROVE PRODUCTIVITY

Homogenous Dispersion
Excellent Handling / Application
Doesn't Compete for Water

Why Companies Use G5

- Up to 80% lighter than conventional sand
- Excellent strength-to-weight ratio
- Improved pumpability, placement & finish
- Consistent production batch after batch
- Easily incorporated into existing formulations
- Domestic technical support
- Available in multiple package sizes
- Improved worker safety
- Decreased logistics costs

Applications

- Self-Leveling Underlayments
- Gypsum Underlayments
- Lightweight Concrete
- GFRC
- Precast
- Roof Coatings
- Resin Flooring
- 3D Printed Concrete
- Specialty Cementitious Products

Reduce Weight. Maintain Strength. Improve Productivity.

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