

SchabelTech Sand & Lightweight Aggregate Guide

Product Quality

All SchabelTech sands are washed, dried, and tightly screened to ensure consistent particle size distribution (PSD). Regular Certificates of Analysis (COAs) are provided to verify product quality and consistency. SchabelTech provides 3 primary types of sand with a lightweight sand alternative.

Primary Sand Categories

1. WQZ Series – White Quartz Sand



SchabelTech WQZ #551 White Rounded ~ 20/40 Mesh SchabelTech WQZ #331 White Rounded ~ 40/70 Mesh SchabelTech WQZ #201 White Rounded ~ <100 Mesh

Characteristics:

- White color
- Rounded grain shape
- Whole grain material
- Washed and dried
- Clean and consistent PSD (Particle Size Distribution)

Common Uses:

- Epoxy flooring systems
- Decorative coatings
- Industrial coatings
- Roofing compounds
- Construction mixes like GFRC and 3D Printed Concrete

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2. AT Series – Tan Subangular Sand



SchabelTech AT #600
Subangular ~ 20/40 Mesh



SchabelTech AT #250
Subangular ~ 50/70 Mesh



SchabelTech AT #100
Subangular ~ 60/140 Mesh

Characteristics:

- Light tan color
- Subangular particles
- Washed and dried
- Strong mechanical bonding

Common Uses:

- Epoxy systems
- Polymer concrete
- Industrial flooring
- Coatings requiring mechanical bond

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3. RCF Series – Recycled Sand Alternative



SchabelTech RCF - 590
Recycled ~ 20/40 Mesh



SchabelTech RCF - 55
Recycled ~ 40/70 Mesh



SchabelTech RCF - 70
Recycled ~ <70 Mesh

Characteristics:

- Mixed color
- Recycled material
- No silicosis warning label
- Approximately 20% lighter than conventional sand

Common Uses:

- Flooring compounds
- Construction mixes
- Roofing systems
- Sustainable building materials

Advantages:

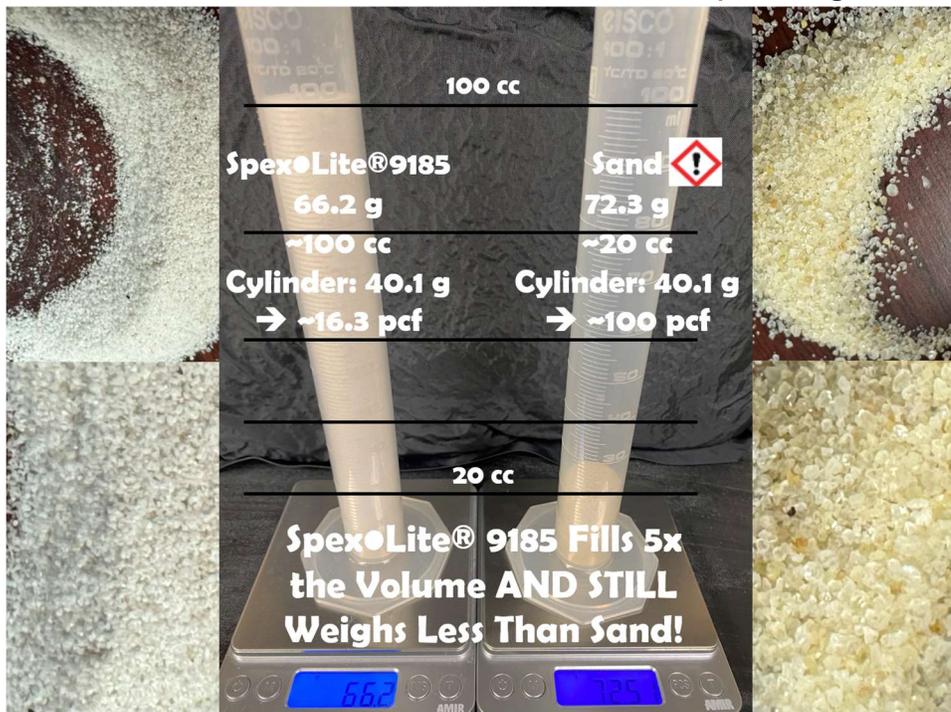
- Reduced weight
- Improved safety handling
- Sustainable material source

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Lightweight Alternative

Spex•Lite® 9185

Spex•Lite® 9185 is an ultra-lightweight sand replacement designed for modern construction and coating systems. Spex•Lite® 9185 can be used as a full replacement for sand or blended with traditional sand depending on formulation.



Key Benefits:

- Approximately 80% lighter than sand
- Improves worker safety
- Reduces freight spend per unit
- Lowers transportation emissions and carbon footprint
- Allows more units per truckload

Typical Applications:

- Self-leveling underlayments for commercial flooring
- Decorative concrete
- Roof coatings and compounds
- Lightweight GFRC and 3D Printed Concrete

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Why Lightweight Fillers Matter

Transportation Efficiency:

Using lightweight sand aggregates allows significantly more product per shipment, reducing freight costs and emissions and decreasing carbon footprint.

Worker Safety:

Lighter materials reduce strain and fatigue during installation.

Structural Load Reduction:

Important for roofing systems, renovation projects, and elevated structures where weight is critical.

Custom Solutions

SchabelTech offers:

- Custom mesh sizes
- Rounded or subangular grain shapes
- Lightweight blends
- Bulk or bagged packaging
- Reliable logistics support

Packaging Options

- 50 lb bags
- Super sacks (bulk bags)
- Custom packaging available upon request

Contact Information

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Quality Sands. Reliable Supply. Friendly Service.

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SCHABELTECH SAND & LIGHTWEIGHT AGGREGATES

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440-462-1500

PRIMARY SAND CATEGORIES

1. WQZ Series – Whole Grain Sand

White – Rounded – Whole Grain

Features

- White color
- Rounded grain shape
- Whole grain material
- Clean and consistent PSD

Common Uses

- Epoxy flooring
- Decorative coatings
- Industrial coatings



20/40
Mesh



40/70
Mesh



<100
Mesh

2. AT Series – Tan Subangular Sand

Tan – Subangular – Clean - High Strength

Features

- Light tan color
- Subangular particles
- Washed & dried

Common Uses

- Epoxy systems
- Polymer concrete
- Industrial flooring



20/40
Mesh



50/70
Mesh



60/140
Mesh

3. RCF Series – Recycled Sand Alternative

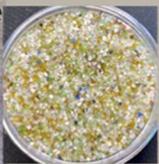
Mixed Color - Sustainable - Lightweight

Features

- Recycled material
- Mixed color
- No silicosis warning label
- Washed & dried

Common Uses

- Flooring compounds
- Construction mixes
- Roofing systems



20/40
Mesh



40/70
Mesh



<70
Mesh

LIGHTWEIGHT SAND Spex•Lite® 9185



Spex•Lite® 9185

~80% LIGHTER THAN SAND

- ✓ Improves worker safety
- ✓ Reduces shipping weight
- ✓ Lower transportation emissions
- ✓ More units per truckload

PACKAGING OPTIONS



COMPARISON CHART

	WQZ & AT Series	RCF Series	Spex•Lite® 9185
Weight	95- 100 pcf	~20% lighter	~80% lighter
Safety	Silicosis Warning	No Silicosis Warning	No Silicosis Warning