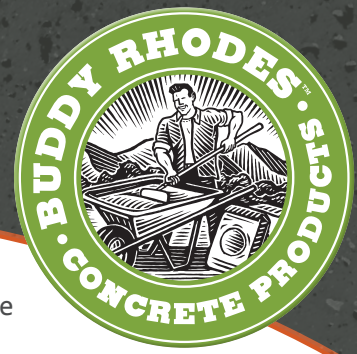


GRANUSIL Silica Sands

Ideal for High Performance Concrete Mixes



Overview

GRANUSIL Silica Sands are clean, dried, well-graded silica sands, good for a variety of concrete mixes. Their round shape promotes good flow without the use of additional plasticizer. Great for use in any high performance GFRC or ECC mix design.

Available in 50 lb (22.7 kg) bags in these grades - 4080, 4030, 5020. This selection represents a cross-section of different particle size blends, with 4080 being the largest, followed by 4030, and 5020 as the finest. 4030 and 4080 are most commonly used as the primary sand in a mix design. 5020 is typically used in smaller percentages in combination with the primary sand for specialty mix designs.

PARTICLE SIZE ANALYSIS* - Percent Retained on each Mesh

PARTICLE SIZE		GRANUSIL GRADE		
Mesh Size	Microns	4080	4030	5020
20	850	--	--	--
30	600	13.1%	4.8%	0.3%
40	425	73.9%	32.3%	4.1%
50	300	12.0%	40.4%	16.9%
70	212	0.9%	16.4%	37.6%
100	150	--	5.1%	30.4%
140	106	--	0.9%	9.2%
200	75	--	0.1%	1.4%
270	53	--	--	0.1%
PAN	PAN	--	--	--
AFS/GFN		30	40	60

CHEMICAL ANALYSIS*

	PERCENT BY WEIGHT
Silicon Dioxide	99.8%
Iron Oxide	0.02%
Aluminum Oxide	0.08%
Titanium Dioxide	0.01%
Potassium Oxide	0.05%
Sodium Oxide	0.01%
Loss on Ignition (LOI)	0.02%

PHYSICAL PROPERTIES*

PROPERTY	VALUE	TEST METHOD
Hardness (Mohs)	7.0	Moh's Scale
Moisture Content (%)	<0.1	ASTM C-566
Specific Gravity (g/cm ³)	2.65	ASTM C-128
Bulk Density, loose (lb/ft ³)	92-95	ASTM C-29
Bulk Density, compacted (lb/ft ³)	98-100	ASTM C-29

*Typical Mean Values. These Do Not Represent a Specification



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