



Technical Data Sheet:

R-E-D Fume Oil & Gas - 206 UC



R-E-D Fume Oil & Gas 206 UC is an un-densified silica fume, it is submicron, amorphous light gray silicon dioxide powder, with good pozzolanic properties. This makes 206 UC a perfectly adapted material to be used in grout and mortar applications. Use of silica fume improves the mechanical properties, compressive strength, creep, modulus of rupture and durability (via permeability decrease).

Applications: Grouts, mortars, castables, vibrated or self consolidating concrete (SCC).

Packaging: Bulk super-sacks.

Storage: Dry storage. Avoid contact with moisture.

Safety: Product totally amorphous. Safety data sheet available upon request.

Quality Control: Complies with ASTM C1240 and CSA 3000 standards.



Physical and Chemical Characteristics

ANALYSIS	Limits		
	TYPICAL	MIN	MAX
SiO ₂ (%)	90.0	85.0	94.0
SO ₃ (%)	0.20	< 0.01 ¹	0.50
LOI (1 hour 950° C) (%)	2.50	1.00	4.00
H ₂ O (%)	1.00	< 0.01 ¹	3.00
Fe ₂ O ₃ (%)	2.75	2.00	4.00
Total Alkalies (%)	0.50	0.30	1.25
Bulk Density (lb/ft ³)	16.0	12.0	18.0
>45 μ (%)	4.50	2.00	9.00
pH	6.2	5.5	7.5

¹ These values describe a mean range and do not represent a specification.

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Users must ensure that this material is suitable for their specific application despite reasonable care taken in its preparation. It is not recommended that substitutions be made without batch trialing, as this helps ensure that mixes are consistent with their intended use.