



Low Cement Gun Mix

Product Data

ProGun LC FS-6

ProGun LC FS-6 is a low cement, fused silica gun mix that offers high strength, very good resistance to abrasion, and low reversible thermal expansion.

Data shown are average results of tests following the guidelines set forth in ASTM C-903 "Preparing Refractory Concrete Specimens by Cold Gunning".

Maximum Service Temperature: 2000°F (1095°C)

Bulk Density:
 After 220°F (105°C) 124 lb/ft³ (1984 kg/m³)
 After 1500°F (815°C) 120 lb/ft³ (1920 kg/m³)

Cold Crushing Strength:
 After 1500°F (815°C) 8000-11000 psi (560-770 kg/cm²)
 After 2000°F (1095°C) 7000-10000 psi (490-700 kg/cm²)

Modulus of Rupture:
 After 1500°F (815°C) 1300-1700 psi (91-119 kg/cm²)
 After 2000°F (1095°C) 1300-1700 psi (91-119 kg/cm²)

Permanent Linear Change(%):
 After 1500°F (815°C) 0.0 to -0.3
 After 2000°F (1095°C) 0.0 to -0.3

Porosity: 23%

Erosion Loss:
 After 1500°F (815°C): 15 cc (max.)

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
500°F (260°C)	5.6	0.81
1000°F (540°C)	6.4	0.92
1500°F (815°C)	6.9	0.99

Coefficient of Reversible Thermal Expansion: 0.8 x 10⁻⁶ in/in/°F (1.4 x 10⁻⁶ cm/cm/°C)

Typical Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Other
21.2	76.4	0.3	0.2	1.7	0.2

Standard Packaging: 72 - 55 lb. bags per pallet; bulk packaging available

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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