



PRODUCT DATA

Brand Name: **PROGUN® 30 XF**

Description: PROGUN® 30 XF is a 60% alumina cement-bonded gun mix that can be installed by conventional gunning methods. After the final set, this unique castable can be heated without the traditional ramp-and-hold heatup schedule.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 3000°F (1650°C)

Dry Material Required per Cubic Foot : 135 - 140 lbs. (approximate)

	Gun Data	
<u>Bulk Density (pcf)</u>		
After 3000°F (1650°C)	137	(2.19 g/cm ³)
<u>Cold Crushing Strength (psi)</u>		
After 3000°F (1650°C)	3000	(210 kg/cm ²)
<u>Thermal Conductivity (K Factor)</u>		
Mean Temperature	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
1500°F (815°C)	7.8	1.12
2000°F (1093°C)	8.0	1.15
2500°F (1371°C)	9.0	1.30
<u>Permanent Linear Change (%)</u>		
After 2000°F (1093°C)	-0.3 to 0.0	

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	57.3
Silica (SiO ₂)	36.0
Iron Oxide (Fe ₂ O ₃)	1.2
Titania (TiO ₂)	2.3
Magnesia (MgO)	0.3
Lime (CaO)	2.5
Alkalies (Na ₂ O+K ₂ O)	0.4

Standard Packaging: 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 0450

The properties shown on this data sheet represent typical average results 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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