



PRODUCT DATA

Brand Name: QUIKTURN 30 SCPC

Description: QUIKTURN 30 SCPC is a low cement, high alumina castable containing 35% silicon carbide that can be installed by vibration cast, pumping, and shotcreting methods. This castable was formulated for dust prone, cement preheater applications in the cement industry. After the final set, this unique castable can be heated without the traditional ramp-and-hold heatup schedule. Refer to the recommended QUIKTURN heatup schedule for the initial heatup.

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

Maximum Service Temperature: 3100°F (1700°C)

Typical Water Required for Mixing (by weight) :
Pump Cast 7.0%

	Pump Cast Data	
<u>Bulk Density (pcf)</u>		
After 220°F (105°C)	152	(2.43 g/cm ³)
After 1500°F (815°C)	151	(2.42 g/cm ³)
<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	11000	(770 kg/cm ²)
<u>Thermal Conductivity (K Factor)</u>	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
1000°F (538°C)	19.0	2.74
1500°F (815°C)	19.2	2.77
2000°F (1093°C)	19.7	2.84
<u>Permanent Linear Change (%)</u>		
After 1500°F (815°C)	-0.3 to 0.0	
<u>Erosion Loss (using ASTM C-704 Method)</u>		
After 1500°F (815°C)	12 cc	
<u>Typical Chemical Analysis (%)</u>		
(Calcined Basis)		
Silicon Carbide (SiC)	35.9	
Alumina (Al ₂ O ₃)	29.5	
Silica (SiO ₂)	31.4	
Lime (CaO)	1.5	
Iron Oxide (Fe ₂ O ₃)	0.4	
Titania (TiO ₂)	0.7	
Magnesia (MgO)	0.1	
Alkalies (Na ₂ O+K ₂ O)	0.2	

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

Brand Code: 1674

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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