



Low Cement Castables

Cast Data

QUIKTURN ASC-8LT PC

QUIKTURN ASC-8LT PC is a high purity, low-cement, alumina-spinel castable designed to provide maximum resistance to ferrous and nonferrous slags. QUIKTURN ASC-8LT PC is formulated to be installed by pumping or shotcreting installation methods in non-ferrous and steelmaking applications, such as steel ladles. After the final set, this unique castable can be heated without the traditional ramp-and-hold heating schedule.

% Water Added to Pump Cast: 7.25% to 8.0% by wgt (typical)

Dry Weight Required to Cast: 180 pounds per cubic foot

Maximum Service Temperature: 3400°F (1870°C)

Bulk Density:

After 220°F (105°C): 175-185 lbs/ft³ (2803-2960 kg/m³)

After 2910°F (1600°C): 180-190 lbs/ft³ (2880-3040 kg/m³)

Apparent Porosity

After 2910°F (1600°C): 25%

Modulus of Rupture:

After 2910°F (1600°C): 1500-2500 psi (105-175 kg/cm²)

Permanent Linear Change (%):

After 2910°F (1600°C): -0.1 to -0.5

Typical Chemical Analysis (%):

Al ₂ O	SiO ₂	Fe ₂ O ₃	CaO	MgO	Others
94.9	Tr	Tr	0.9	4.0	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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