



Low Cement Castables

Product Data

EZ Cubed 70PC

EZ Cubed 70PC is a pumpable, low-cement castable which is designed to give minimum porosity and linear change with maximum density and super high fired strengths.

Maximum Service Temperature: 3200°F (1760°C)

Bulk Density:

220°F (105°C) 167 lb/ft³ (2672 kg/m³)
1500°F (815°C) 160 lb/ft³ (2560 kg/m³)

Porosity: 17%

Cold Crushing Strength:

1500°F (815°C) 10000-14000 psi (700-980 kg/cm²)
2500°F (1370°C) 10000-14000 psi (700-980 kg/cm²)
2910°F (1600°C) 8000-12000 psi (560-840 kg/cm²)

Modulus of Rupture:

1500°F (815°C) 1300-1700 psi (91-119 kg/cm²)
2500°F (1370°C) 1600-2000 psi (112-140 kg/cm²)
2910°F (1600°C) 1600-2000 psi (112-140 kg/cm²)

Permanent Linear Change(%):

1500°F (815°C) -0.1 to -0.3
2500°F (1370°C) +0.3 to +0.7
2910°F (1600°C) +1.3 to +1.7

Erosion Loss:

1500°F (815°C) Less than 8 cc
(Typical Loss: 4 - 8 cc)

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	11.0	1.59
1500°F (815°C)	10.0	1.44
2000°F (1095°C)	10.0	1.44

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalies
69.4	25.7	1.1	1.9	1.5	0.4

Standard Packaging: 72-55 lb. bags per pallet

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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