



Low Cement Castable

Product Data

EZ Cubed 52LC

EZ Cubed 52LC is a low cement, self-leveling castable that offers high strength and excellent resistance to abrasion. This product may be cast or pumpcast.

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

Bulk Density:

220°F (105°C) 154 lb/ft³ (2464 kg/m³)
1500°F (815°C) 150 lb/ft³ (2400 kg/m³)

Cold Crushing Strength:

1500°F (815°C) 9000-12000 psi (630-840 kg/cm²)
2500°F (1370°C) 10000-14000 psi (700-980 kg/cm²)
2910°F (1600°C) 10000-14000 psi (700-980 kg/cm²)

Modulus of Rupture:

1500°F (815°C) 1300-1700 psi (91-119 kg/cm²)
2500°F (1370°C) 1700-2000 psi (119-140 kg/cm²)
2910°F (1600°C) 2200-2500 psi (154-175 kg/cm²)

Permanent Linear Change(%):

1500°F (815°C) -0.1 to -0.3
2500°F (1370°C) +0.3 to +0.6
2910°F (1600°C) -0.5 to -0.7

Porosity:

16%

Erosion Loss:

1500°F (815°C) Less than 10 cc
(Typical Loss: 6-8 cc)

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (540°C)	9.0	1.30
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	MgO	Alkalies
52.0	44.4	0.6	1.1	1.5	0.1	0.3

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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