



PRODUCT DATA

Brand Name:

EZ CUBED® FS-6PC

Description: EZ CUBED® FS-6PC is a Low Cement, Fused Silica-based castable that can be installed by casting methods. This castables features excellent resistance to thermal cycling and low thermal

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

Maximum Service Temperature: 2000°F (1095°C) for Thermal Cycling Service

Typical Water Required for Mixing (by weight) :

Casting..... 5.8%

Bulk Density (pcf)

	Cast Data	
After 220°F (105°C)	129	(2.06 g/cm ³)
After 1500°F (815°C)	128	(2.05 g/cm ³)

Cold Crushing Strength (psi)

After 1500°F (815°C)	12000	(840 kg/cm ²)
----------------------	-------	---------------------------

Hot Modulus of Rupture (psi)

After 2500°F (1371°C)	1000 - 1200	(70 - 84 kg/cm ²)
After 2700°F (1482°C)	400 - 600	(28 - 42 kg/cm ²)

Permanent Linear Change (%)

After 1500°F (815°C)	0.0 to -0.3
----------------------	-------------

Abrasion Loss (using ASTM C-704 Method)

After 1500°F (815°C)	Less than 15 cc
----------------------	-----------------

Thermal Conductivity (K Factor)

Mean Temperature	BTU/ft ² /hr./°F/inch	W/mK
500°F (260°C)	5.6	0.81
1000°F (540°C)	6.4	0.92
1500°F (815°C)	6.9	0.99

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	22.3
Silica (SiO ₂)	75.3
Iron Oxide (Fe ₂ O ₃)	0.2
Titania (TiO ₂)	0.2
Lime (CaO)	1.8
Magnesia (MgO)	0.1
Alkalis (Na ₂ O+K ₂ O)	0.1

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

Brand Code: 0429

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.

RESKO PRODUCTS disclaims any express or implied warranties based on this sheet.

01/29/18 is the date that this data sheet was updated. Check with your RESKO sales representative or RESKO website to determine you have the current sheet.

One Robinson Plaza - Suite 300, 6600 Steubenville Pike, Pittsburgh, PA, 15205 Phone: 888-283-5505