



PRODUCT DATA

Brand Name: EZ EST 20CR

Description: EZ EST 20CR is a cement-free, alumina-chrome castable containing 20% chromic oxide, that can be installed by casting, pumping, or shotcreting methods. This product requires an additional liquid binder, called EZ ADD binder, for mixing and installation.

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

Maximum Service Temperature: 3400°F (1871°C)

Dry Material Required per Cubic Foot : 186 lbs. (approximate)

Recommended Mixing Time: 5 minutes

Typical EZ ADD Binder Required for Mixing (by weight) :

Pump Casting	11.0 - 11.5%
Vibration Casting	9.0 - 10.0%

Bulk Density (pcf)

	<u>Pump Cast Data</u>	
After 220°F (105°C)	185	(2.96 g/cm ³)
After 2550°F (1400°C)	186	(2.98 g/cm ³)

Cold Crushing Strength (psi)

After 220°F (105°C)	7000 - 13000	(490 - 910 kg/cm ²)
After 2550°F (1400°C)	6000 - 8000	(420 - 560 kg/cm ²)

Permanent Linear Change (%)

After 220°F (105°C)	0.0 to -0.02
After 2550°F (1400°C)	0.0 to -0.07

Typical Chemical Analysis (%)

(Calcined Basis including Liquid Binder)

Alumina (Al ₂ O ₃)	75.5
Silica (SiO ₂)	4.2
Chromic Oxide (Cr ₂ O ₃)	20.0
Magnesia (MgO)	0.1
Alkalis (Na ₂ O+K ₂ O)	0.2

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

Binder: 55 gallon drum, 265 gallon plastic totes

Brand Code: 4476

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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