



Extreme Service Castables

Cast Data

SUREFLOW 17EM

SUREFLOW 17EM is a high cement, self-leveling castable that offers high strength and excellent resistance to abrasion. It has the same thermal conductivity as **SUREFLOW 17EM** with the added advantage of improved physical properties and flowing into place without vibration. This product should be installed by pouring; no vibration is needed during installation. It should be noted that **SUREFLOW 17EM is not recommended for pumpcasting.**

Maximum Service Temperature: 2500°F (1370°C)

Bulk Density:

After 220°F (105°C) 125 lb/ft³ (2000 kg/m³)
After 1500°F (815°C) 118 lb/ft³ (1888 kg/m³)

Cold Crushing Strength:

After 1500°F (815°C) 6500-8500 psi (455-595 kg/cm²)

Permanent Linear Change (%):

Green to Dried (220°F): 0.0 to -0.1
After 1500°F (815°C): 0.0 to -0.3

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (540°C)	5.0	0.71
1500°F (815°C)	5.6	0.80
2000°F (1095°C)	6.1	0.87

Typical Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Alkalies
51.5	38.0	0.6	0.9	6.1	2.2	0.7

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 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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