



# Extreme Service Castables

## Cast Data

### SUREFLOW 88

**SUREFLOW 88** is a high cement, self-leveling castable that offers high strength and excellent resistance to abrasion.

This product should be installed by pouring; no vibration is needed during installation.

It should be noted that **SUREFLOW 88 is not recommended for pumpcasting.**

**Maximum Service Temperature:** 2750°F (1510°C)

**Bulk Density:**

After 220°F (105°C): 146 lbs/ft<sup>3</sup> (2336 kg/m<sup>3</sup>)

After 1500°F (815°C): 141 lbs/ft<sup>3</sup> (2256 kg/m<sup>3</sup>)

**Cold Crushing Strength:**

After 1500°F (815°C): 9000-12,000 psi (630-840 kg/cm<sup>2</sup>)

**Permanent Linear Change (%)**

After 1500°F (815°C): 0.0 to -0.3

**Erosion Loss using ASTM C-704 Method:**

After 1500°F (815°C): 8 cc (max)

**Thermal Conductivity or "K" Factor:**

Mean Temp.	BTU/ft <sup>2</sup> /Hr/°F/in	W/mK
1000°F (540°C)	7.2	1.04
1500°F (815°C)	7.6	1.10
2000°F (1095°C)	7.9	1.14

**Typical Chemical Analysis (%)**

A <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	MgO	Alkalies
56.1	35.8	0.6	1.1	5.7	0.4	0.3

**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.

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

03/04/08 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