

Low Cement Castables

Product Data

SUREFLOW 60DC

SUREFLOW 60DC is a 60% Alumina, Mullite based, Self flowing low cement castable. This product is recommended for Pre-cast Shapes or new and full lining repairs using anchored construction. **SUREFLOW 60DC** has good strength, thermal shock and abrasion resistance.

<u>Maximum Service Temperature:</u>	1650°C
<u>Grain Size:</u>	< 5mm
<u>Typical Thermal Expansion Coefficient:</u>	5.7 cm/cm/°C x 10 ⁻⁶
<u>Typical Mixing Water :</u>	7.2 - 7.6%
<u>Porosity fired to 815°C</u>	< 17%
<u>Bulk Density:</u>	
Dried to 110°C	2370 – 2470 kg/m ³
Fired to 815°C	2320 – 2420 kg/m ³
<u>Cold Crushing Strength:</u>	
Fired to 815°C	> 500 kg/cm ²
Fired to 1600°C	> 700 kg/cm ²
<u>Permanent Linear Change(%):</u>	
Green to 815°C	0.0 to -0.3
Green to 1600°C	-0.2 to -0.9

Typical Conductivity or “K” Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	12.0	1.73
1500°F (815°C)	11.0	1.58
2000°F (1095°C)	11.0	1.58

Chemical Analysis(%):

	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	MgO	TiO ₂	CaO	Alkalies
Typical	62.3	32.6	0.8	0.1	0.7	2.4	0.5

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions 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. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet