



**PRODUCT INFORMATION SHEET**

**UL 80S**

<b>CLASSIFICATION</b>	<b>Ultra Low Cement Castable</b>		
<b>PHYSICAL PROPERTIES</b>	Max. Service Temperature	<sup>0</sup> C	1750
	Max. Grain Size of Aggregates	mm.	5
	Approx. Amount of Water Required for Casting	%	4.5-5.0
	Bulk Density After Drying at 110 <sup>0</sup> C	Kg./m <sup>3</sup>	2840
	Modulus of Rupture After Drying at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	45
	Cold Crushing Strength After Heating at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	300
	Modulus of Rupture After Heating at 1400 <sup>0</sup> C	Kg./cm <sup>2</sup>	145
	Cold Crushing Strength After Heating at 1400 <sup>0</sup> C	Kg./cm <sup>2</sup>	1620
<b>CHEMICAL COMPOSITION</b>	Permanent Linear Change After Heating 1400 <sup>0</sup> C	%	+0.1
	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	76
	Silica (SiO <sub>2</sub> )	%	10
	Silicon Carbide (SiC)	%	10
	APPROX. (%) Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	1.0
	Lime (CaO)	%	0.56

The data cannot be used for specification and guarantee purpose – reasonable variances in data can be expected. Product data is update periodically to reflect product / raw material / process / testing changes. Please contact BST’s representative for the most updated data.

**We are refractory solutions**