



PRODUCT INFORMATION SHEET

CASTABLE 15ES

CLASSIFICATION	Castable Concrete Extra Strength		
PHYSICAL PROPERTIES	Max. Service Temperature	⁰ C	1500
	Max. Grain Size of Aggregates	mm.	5
	Approx Weight Required for Casting	Kg./m ³	2150-2250
	Approx. Amount of Water Required for Casting	%	10-12
	Bulk Density After Drying at 110 ⁰ C	Kg./m ³	2100-2200
	Modulus of Rupture After Drying at 110 ⁰ C	Kg./cm ²	100-110
	Cold Crushing Strength After Drying at 110 ⁰ C	Kg./cm ²	550-570
	Bulk Density After Heating at 1400 ⁰ C	Kg./m ³	2170
	Modulus of Rupture After Heating at 1400 ⁰ C	Kg./cm ²	70-80
	Cold Crushing Strength After Heating at 1400 ⁰ C	Kg./cm ²	400-450
THERMAL CONDUCTIVITY	Permanent Linear Change After Heating 1400 ⁰ C	%	-0.9
	at 400 ⁰ C	(W/m.K)	1.22
	at 600 ⁰ C	(W/m.K)	1.27
	at 1000 ⁰ C	(W/m.K)	1.42
CHEMICAL COMPOSITION APPROX. (%)	Alumina (Al ₂ O ₃)	%	50
	Silica (SiO ₂)	%	37
	Iron Oxide (Fe ₂ O ₃)	%	2
	Calcium Oxide (CaO)	%	6.6

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