

TECHNICAL DATA SHEET TAICAST VN 13

Type of product	: high alumina dense refractory castable
Max. service temperature	: 1300°C
Main component	: chamotte
Type of bond	: hydraulic
Appearance	: dry mixture of aggregates and powder
Packing	: 25kg sacks
Storage	: 6 months minimum in temperate locations
Installation methods	: troweling or casting
Max. grain size	: 3 mm
Material required per m ³	: 2.0 tonnes/m ³
Water required for mixing on site	: 14.0~16.0 litres for 100kgs of dry materials to be adjusted according to conditions (mixing, temperature....)

product properties	standard	typical values	units
<u>chemical analysis(calcined basis)</u>			
Al ₂ O ₃	PRE R 24	46.6	%
SiO ₂	PRE R 24	44.1	%
CaO	PRE R 24	5.9	%
<u>physical properties</u>			
<u>water for casting</u>	LR 002	15	%
<u>bulk density :</u>			
after drying at 110°C	PRE R 9	2.0	g/cm ³
<u>cold crushing strength :</u>			
after drying at 110°C	PRE R 27	30.0	N/mm ²
after firing at 1300°C	PRE R 27	20.0	N/mm ²
<u>permanent linear change :</u>			
after firing at 1300°C	LR 101	1.0	%
<u>thermal conductivity :</u>			
at mean temperature of 800°C	ASTM C 417	0.8	W/m ⁰ k

code : 060630-AC6044-ACCC4

PROVISIONAL

*please note that the above data represents average values and does not represent a specification for the product.