



TECHNICAL DATA
FOR DENSE CASTABLE



BRAND NAME :	NC21 - 17EX/1
RAW MATERIAL BASIS :	BAUXITE - TABULAR ALUMINA - ANDALUSITE
PHYSICAL PROPERTIES :	
Maximum service temperature , °C	1600
Dry castable required , Kg/m ³	2620
Approximate amount of water required for pouring , Liter /30Kg	2.2 – 2.8
Bulk density , Kg/m ³ after drying at 110°C	2760
Cold crushing strength , Kg/cm ² after drying at 110°C	400 – 600
after heating at 1430°C	400 – 600
Permanent Linear Change , % after heating at 1430°C	-1.0 to +1.0
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :
(calcined basis)

SiO ₂	9.7
Al ₂ O ₃	83.1
TiO ₂	1.5
Fe ₂ O ₃	1.0
CaO	4.0
Na ₂ O + K ₂ O + Li ₂ O	0.7

PACKING IN SACKS OF , Kg **30**

The data are subject to reasonable variations and therefore should not be used for specification purposes .

ASTM Test Methods , where applicable , used for determination of data .

ES0100F02

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