

A bauxite based, coarse grained, low cement castable specifically developed for aluminium contact applications. Albond HS has an enhanced strength profile with improved abrasion and thermal shock resistance while maintaining excellent resistance to corundum growth.

Characteristics

Bond Type	Hydraulic
Raw Material Base	Calcined Bauxite
Maximum Service Temperature °C	1400
Refractoriness °C (Seeger Cone)	1785 (35)
Bulk Density kg/m ³ Dried to 110°C	2920
Net Material Required Cast (Gunned) kg/m ³	2890 (n/a)

Physical Properties

Test Temperature °C	Cold Crushing Strength N/mm ²	Permanent Linear Change %
110	140-160	nil
800	150-160	-0.2
1000	160-200	-0.25
1300	150-200	+/-0.5
1400	150-200	+0.7

Thermal Conductivity at mean temp. 600°C (W/mK)	2.3
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Chemical Analysis	(%)
Al ₂ O ₃	81
SiO ₂	11
CaO	1.8
Fe ₂ O ₃	1.2
Cr ₂ O ₃	-
SiC	-
P ₂ O ₅	-
MgO	-

Water Addition	
% by weight	4.7-5.2
Litres/25kgs	1.175-1.3

Samples Prepared By : Vibrocasting

Reference No.	TM D1117/04/1
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The above data is determined by regular sample testing in accordance with British Standard 1902 (where applicable). Because normal manufacturing tolerances apply, the data should not be taken as a precise specification.

Your local contact :-



ISO 9002 Approved

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