



THE SIAM REFRACTORY INDUSTRY CO.,LTD.

1 Siam Cement Road , Bangsue , Bangkok 10800 , THAILAND

Tel : (66 2) 5863242-52 , Fax : (66 2) 5872149 , 5862982

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Data Sheet

IB 2

Classification : Insulating Brick (Hydraulic Bonded)

Physical Properties :

Max. Service Temp.	°C	1100
Bulk Density	kg/m ³	760
Cold Crushing Strength	kg/cm ²	25
Modulus of Rupture	kg/cm ²	10
Reheat Test , Permanent Linear Change after Heating 1065 °C	%	-0.40

Chemical Composition :

Alumina (Al ₂ O ₃)	%	9.0
Silica (SiO ₂)	%	38.0
Lime (CaO)	%	40.0
Iron Oxide (Fe ₂ O ₃)	%	2.0

Thermal Expansion :

at 400 °C	%	0.18
at 800 °C	%	0.23

Thermal Conductivity :

at 350 °C	W/m.K	0.20
at 400 °C	W/m.K	0.23
at 600 °C	W/m.K	0.30
at 800 °C	W/m.K	0.40

The above data are typical values of which the properties of the samples tested according to the internal procedure and standard of Siam Refractory generally accepted by our customers for many years. The above data can not be used for specification or guarantee purpose. Siam Refractory reserves the right to update the above data and change our internal procedure and standard without any prior notice.

Approved by :  Date : May 19, 2010
Quality Assurance Manager