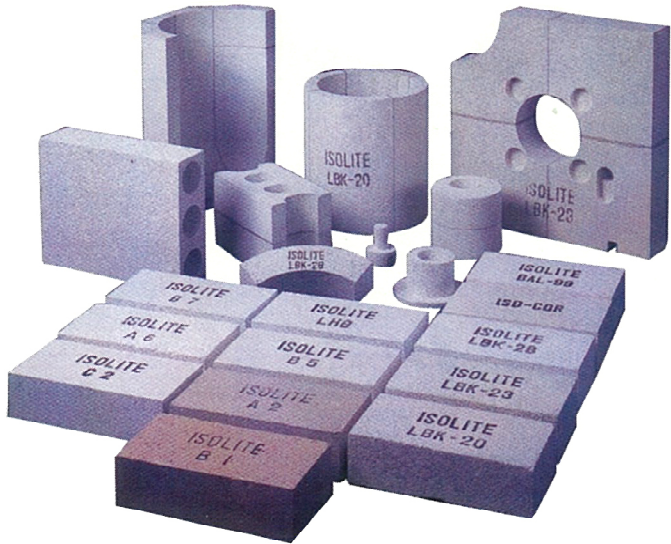


ISOLITE

**LBK**[illegible]

ISOLITE

B-C

Grade	B4	B5	B6	B7	C1	C2
Classified Temperature	1200 °C	1300 °C	1400 °C	1500 °C	1300 °C	1400 °C
Bulk Density	0.78	0.78	0.86	0.75	1.06	1.14
Thermal Conductivity (W/m-K) at 350 °C by JIS R 2616	0.24	0.24	0.27	0.30	0.33	0.39
at 400 °C by ASTM C 182-88	0.25	0.25	0.28	0.31	0.34	0.40
at 600 °C by ASTM C 182-88	0.28	0.28	0.31	0.34	0.37	0.43
at 800 °C by ASTM C 182-88	0.30	0.31	0.35	0.38	0.40	0.48
at 1000 °C by ASTM C 182-88			0.39	0.43		0.53
at 1200 °C by ASTM C 182-88						
Cold Crushing Strength (MPa) (by JIS R 2615)	1.5	1.7	2.4	4.0	4.4	5.7
Modules Of Rupture (MPa) (by JIS R 2619)						
Reheat Shrinkage (%)						
at () °C X 24 hrs by ASTM C210						
at () °C X 8 hrs by JIS R 2613-1985						
at () °C X 12 hrs by JIS R 2613-1998	0.28 (1200)	0.25 (1300)	1.03 (1400)	0.86 (1500)	0.25 (1300)	0.28 (1400)
Chemical Composition (%)						
Al ₂ O ₃						
Si O ₂						
Fe ₂ O ₃						
Recommended ISOLITE MORTAR	SAS-D		HAS-D		SAS-D	HAS-D
Country of Origin	Above products are manufactured in Malaysia					

ISOLITE

B-ISO COR - BAL

Grade	B1	B2	ISO-COR	BAL-99	BAL-99M
Classified Temperature	900 °C	1000 °C	1800 °C	1800 °C	1800 °C
Bulk Density	0.65	0.65	1.28	1.56	1.58
Thermal Conductivity (W/m-K) at 350 °C by JIS R 2616	0.17	0.20	0.70	0.22	1.45
at 400 °C by ASTM C 182-88	0.17	0.20	0.70	1.18	1.41
at 600 °C by ASTM C 182-88	0.18	0.22	0.71	1.06	1.24
at 800 °C by ASTM C 182-88		0.24	0.74	1.00	1.18
at 1000 °C by ASTM C 182-88			0.76	0.94	1.12
at 1200 °C by ASTM C 182-88			0.77	0.94	1.12
Cold Crushing Strength (MPa) (by JIS R 2615)	3.0	3.2	6.4	12.0	27.0
Modules Of Rupture (MPa) (by JIS R 2619)			3.2	5.5	9.6
Reheat Shrinkage (%)					
at () °C X 24 hrs by ASTM C210			0.35 (1730)		
at () °C X 8 hrs by JIS R 2613-1985			0.15 (1730)	0.27 (1730)	0.18 (1730)
at () °C X 12 hrs by JIS R 2613-1998	0.35 (900)	0.80 (1000)			
Chemical Composition (%)					
Al ₂ O ₃	8.9	8.6	86	99.2	99.3
Si O ₂	82	83	13	0.4	0.4
Fe ₂ O ₃	3.8	3.7	0.3	0.1	0.1
Recommended ISOLITE MORTAR	ASD N-10		MAS-D	MAS-DS	
Countrv of Origin	Above products are manufactured in japan				

ISOLITE

Standard Square (Straight)			Side Arch (Arch)				End Arch (Wedge)				Header (key)					
			Y0	Y1	Y2	Y3		T0	T1	T2	T3		B0	B1	B2	B3
Length (mm)	230		230	230	230	230		230	230	230	230		230	230	230	230
Width (mm)	114		114	114	114	114		114	114	114	114	a	114	114	114	114
Width (mm)												b	108	105	85	65
Thickness(mm)	65	a	65	65	65	65	a	65	65	65	65		65	65	65	65
Thickness(mm)		b	61	59	50	52	b	60	55	45	35					
