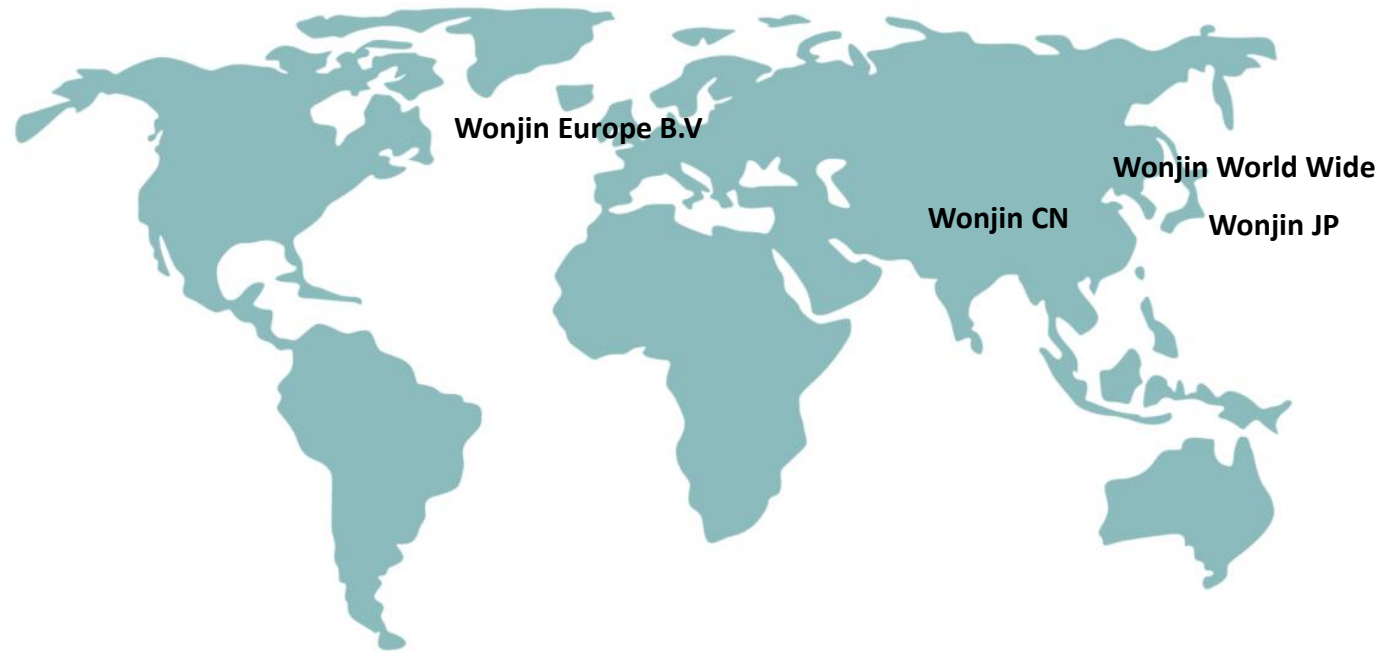




Insulating Fire Brick

Insulating Fire Brick

Special Insulating Fire Brick



Wonjin World Wide

Head Office : 39, Sanmakgongdanbuk4-gil, Yangsan-city, Gyeongnam, Korea

Tel : 82-55-380-8001 Fax : 82-55-383-8008

Branch : Gwangmeong SK Technopark A-1003, Soha-dong, Gwangmeong-si, Gyeonggi-do, Korea

Tel : 82-2-2083-2338 Fax : 82-2-2083-2341

Wonjin Europe B.V.

RTC Ijmond Rooswijkweg 126, 1951 MK, Velsen Noord, NL

Tel: +31-251-291-615

Wonjin JP

2-8, Imojimachi, Kokurakita-ku, Kitakyushu-shi, Fukuoka, 803-0821, Japan

Tel: +81-93-953-632 Fax: +81-93-953-6326

Wonjin CN

Nancheng Cun, Shangma Zone, Chengyang District, Qingdao, Shandong, China

Tel +86-532-8781-8111 Fax +86-532-8781-8666

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Insulating Fire Brick

Wonjin (Brand Name)	A-1	A-2	A-3	A-4	A-5	A-6	A-7
Temp (°C) Reheating Shrinkage less than 2.0%	900	1000	1100	1200	1300	1400	1500
Bulk Density (Kg/m³)	500	500	500	550	600	700	750
CCS (Mpa)	0.5	0.5	0.5	0.8	0.8	1.0	1.0
Thermal Conductivity at 350°C (W/Mk)	0.13	0.14	0.15	0.16	0.17	0.2	0.22

Wonjin (Brand Name)	B-1	B-2	B-3	B-4	B-5	B-6	B-7
Temp (°C) Reheating Shrinkage less than 2.0%	900	1000	1100	1200	1300	1400	1500
Bulk Density (Kg/m³)	0.7	0.7	0.75	0.8	0.8	0.9	1.0
CCS (Mpa)	2.5	2.5	2.5	2.5	2.5	3.0	3.0
Thermal Conductivity at 350°C (W/Mk)	0.17	0.18	2.00	0.23	0.23	0.27	0.31

Wonjin (Brand Name)	C-1	C-2	C-3
Temp (°C) Reheating Shrinkage less than 2.0%	1300	1400	1500
Bulk Density (Kg/m³)	1.10	1.20	1.25
CCS (Mpa)	5.0	7.0	10.0
Thermal Conductivity at 350°C (W/Mk)	0.30	0.38	0.45

Special Insulating Fire Brick

Wonjin (Brand Name)	Classification Temp		Bulk Density (Kg/m³)	CCS (Mpa)	PLC (%,°C)	Thermal Conductivity (W/Mk)					Chemical Analysis		
	°C	°F				350°C	600°C	800°C	1000°C	1200°C	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃
SIB-125	1260	2300	600	1.2	-0.15(1230)	0.16	0.19	0.22	0.25		45	50	1.0
SIB-125L	1260	2300	500	1.0	-0.15(1230)	0.15	0.17	0.19	0.22		43	50	1.0
SIB-130	1300	2350	660	1.8	-0.15(1250)	0.19	0.22				43	49	1.2
SIB-140	1400	2550	780	3.0	-0.20(1250)	0.27	0.28		0.30	0.34	54	41	1.0
SIB-145	1430	2600	800	2.0	-0.30(1250)	0.26	0.27	0.30		0.34	56	39	0.7
SIB-155	1550	2800	920	3.5	0.44(1510)	0.30	0.32		0.35	0.37	65	32	0.9
SIB-155S	1550	2800	890	3.1	0.25(1510)	0.31	0.33		0.35	0.38	69	27	0.7
HIB-160	1600	2900	1,010	4.9	0.43(1550)	0.36	0.41				71	26	0.8
HIB-165	1650	3000	1,030	2.5	-0.85(1620)	0.40	0.42	0.45		0.47	72	26	0.6
HIB-170	1700	3100	1,200	7.6	-0.54(1650)	0.47		0.52			77	21	0.5
HIB-180	1800	3250	1,630	15.2		0.99					99	0.5	0.15
FIB-99S	1800	3250	1,580	17.5		0.95					99.4		0.06

