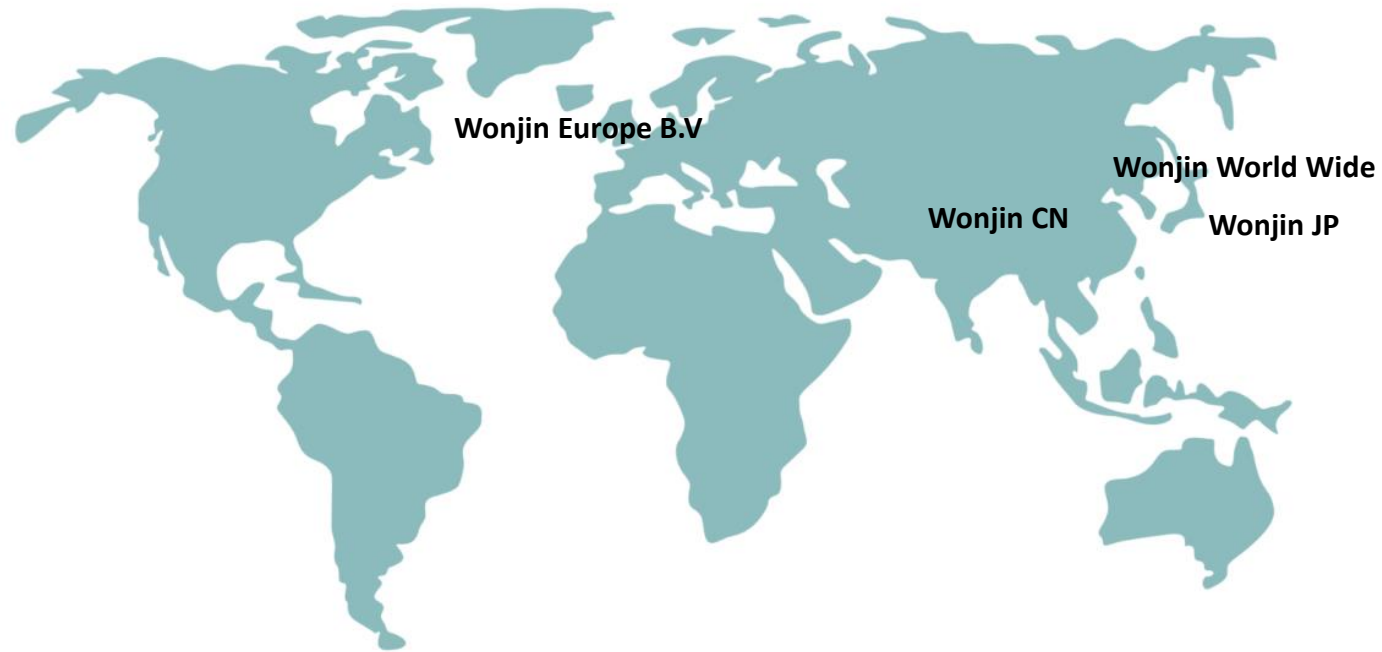




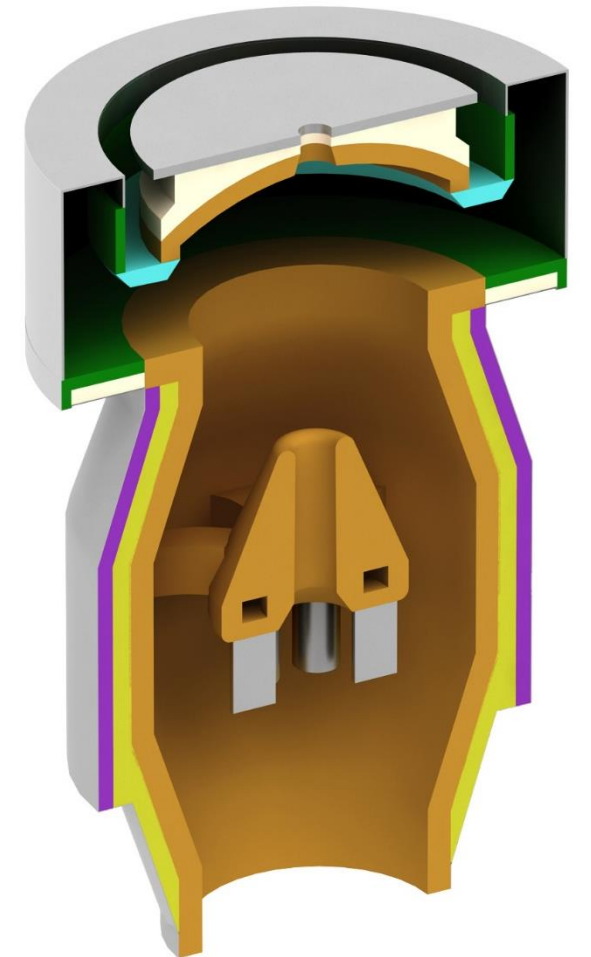
Lime Kiln Refractory

Refractory Brick(Mg-Cr)

High Alumina /Fireclay Brick

Castable Refractory

Insulating Fired Brick



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Refractory Brick(Mg-Cr)

Division		Refractory Brick(Mg-Cr)				
		SDB-70	SDB-80	HDB-75	HDB-80	MgO-Cr ₂ O ₃
Physical Properties	SK	42	42	40	40	40
	Density	3.22	3.17	3.10	3.05	3.03
	A.P(%)	15.0	16.0	17.0	18.0	16.0
	CCS(Mpa)	60	56	50	45	62
	RUL(°C)	1730	1700	1700	1680	1650
Chemical Analysis	MgO	67.8	66.3	78.0	76.5	77.9
	Cr ₂ O ₃	17.5	17.0	9.2	8.8	8.6
Remark		Calcining Arch zone (KOMA,MAERZ,CIMPROGETTI)		Calcining zone (KOMA,MAERZ,CIMPROGETTI)		SHAFT KILN

High Alumina Brick / Fireclay Brick

Division		High Alumina Brick			Fireclay Brick	
		SA-38LR	SA-38	SK-38	SK-34	SB34S
Physical Properties	SK	38	38	38	34	34
	Density	2.70	2.65	2.39	2.17	2.23
	A.P(%)	17.0	18.0	21.1	21.3	21.9
	CCS(Mpa)	80.0	80.0	45.2	40.2	60.8
	RUL(°C)	1600	1600	1520	1350	1350
	Thermal/E	0.65	0.65	0.75	0.5	0.5
Chemical Analysis	Al ₂ O ₃	80.0	73.0	72.3	44.3	44.9
	SiO ₂	16.0	22.0	20.6	50.8	50.8
	Fe ₂ O ₃	1.2	1.5	1.9	2.3	2.3
Remark		Preheating Zone			Second layer	Cooling Zone

Castable Refractory

Division				High Strength Castable		Dense Castable			Insulating Castable	
				WSC-18	WSC-16	HACT-180	HACT-165	HACT160S	INCT-140	INCT-120
Physical Properties	Max service temperture		°C	1800	1600	1800	1650	1600	1400	1200
	Density	at 110°C 24Hr	Kg/m³	2.92	2.30	2.92	2.21	2.12	1.30	1.17
	CCS	at 110°C 24Hr	Mpa	66	61	38	30	32	7	6
	MoR	at 110°C 24Hr	Mpa	12.0	11.0	8.0	6.0	8.0	2.6	3.0
	PLC	at 110°C 24Hr	%	-0.03	-0.03	-0.05	-0.09	-0.03	-0.10	-0.14
	T.C at 350°C (kcal/mh°C)			-	-	-	-	-	0.39	0.21
Chemical Analysis	Al ₂ O ₃		%	84.6	54.8	92.3	60.9	53.3	45.9	40.0
	SiO ₂		%	10.6	40.5	1.0	28.7	32.3	37.7	46.0
	Fe ₂ O ₃		%	0.8	1.0	0.8	2.2	1.9	2.6	1.6
	CaO		%	1.2	2.2	2.3	6.3	8.8	11.2	14.5
Water addition (by weight)			%	4 ~ 6	5 ~ 8	5 ~ 10	11 ~ 14	10~17	25~40	35~45
Installation				Vibrating		Casting				
Remark				Lime Inlet		Kiln Edge Lining			Backup Lining	

Insulating Fired Brick

Division			Insulating Fired Brick				
			SIB-140	SIB-120	B-5	B-3	B-1
Physical	Max service temperture	°C	1400	1200	1300	1100	900
	Density	kg/m ³	780	600	790	730	670
	CCS	kg/cm ²	3.3	2.2	2.2	2.4	2.4
	T.C at 350°C (kcal/mh°C)		0.27	0.17	0.22	0.17	0.16
Chemical Analysis	Al ₂ O ₃	%	54.4	50.6	38.2	20.6	20.9
	Fe ₂ O ₃	%	1.0	0.9	1.5	4.3	3.3
Remark			Backup Lining				

