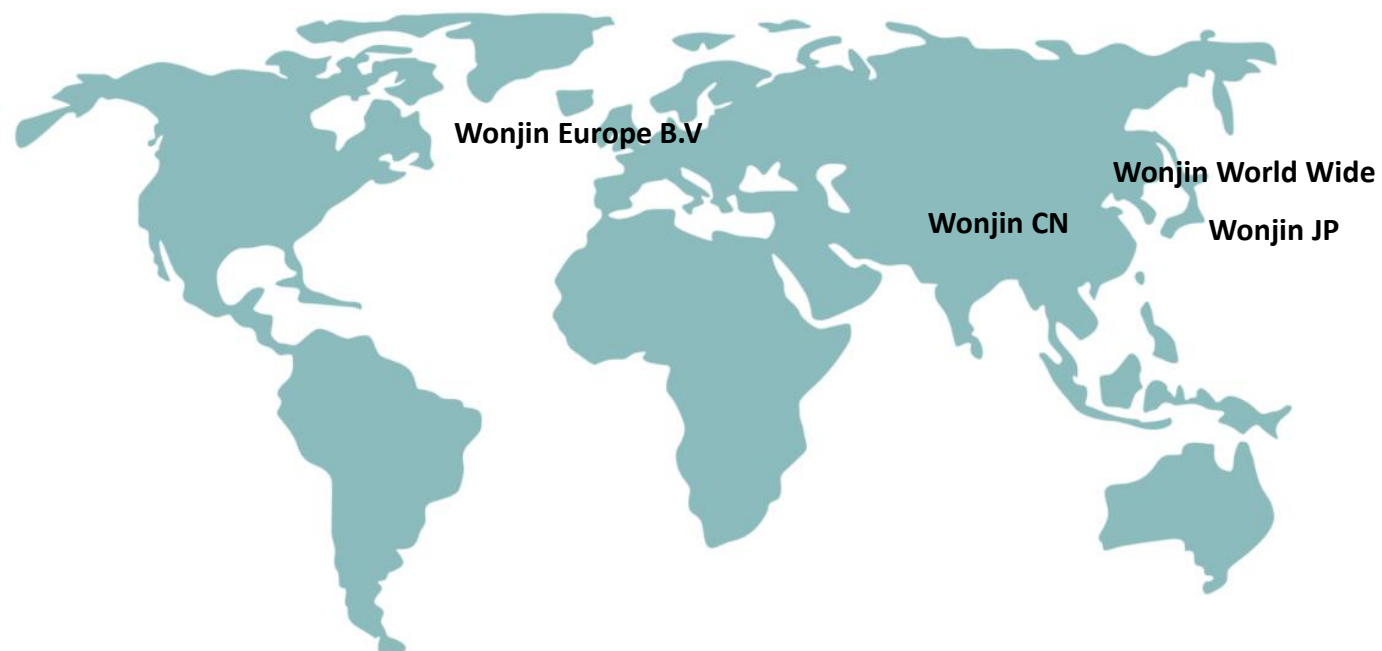
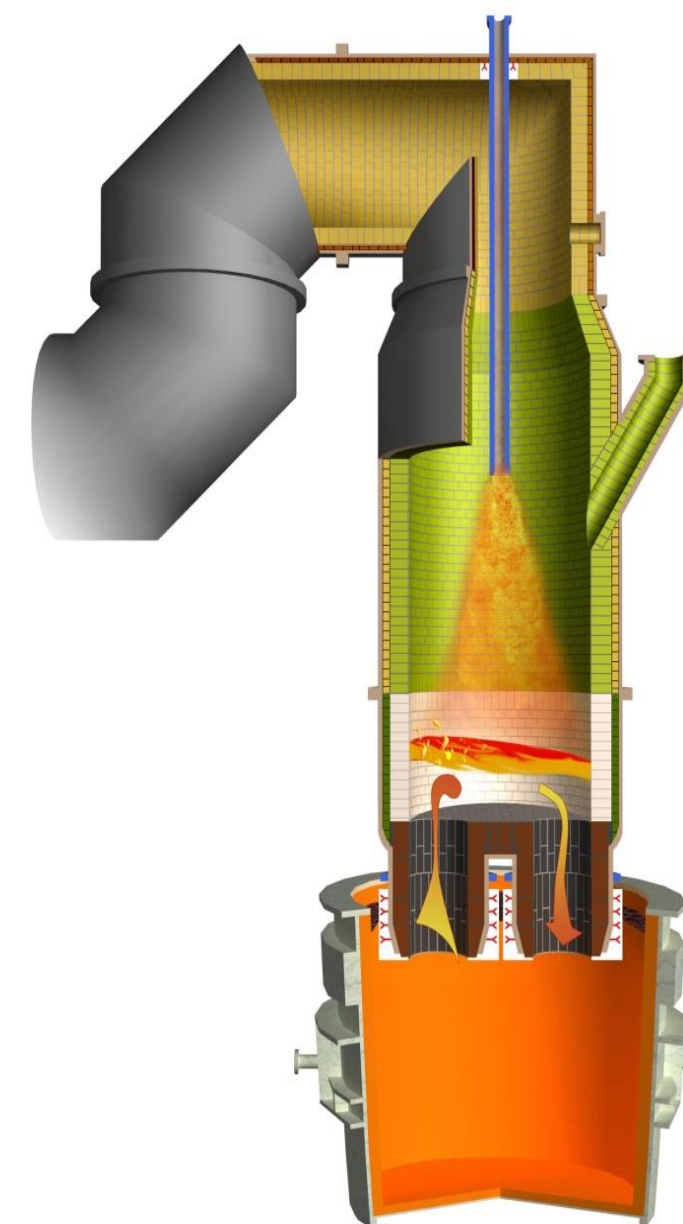




RH Refractory



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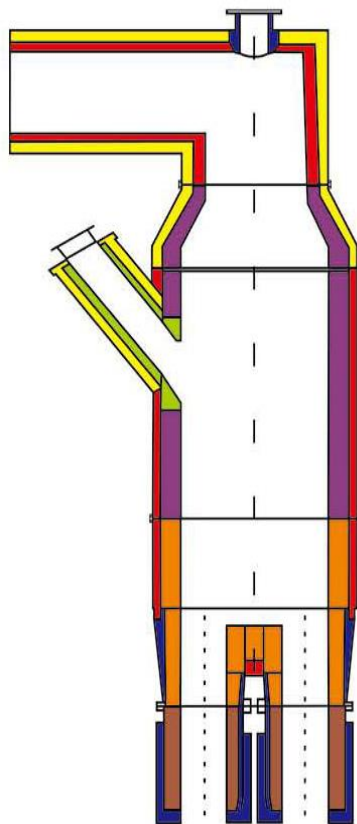
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- ◆ Superior Thermal Shock Resistance
- ◆ Superior Erosion & Slag Corrosion Resistance
- ◆ High Temperature Mechanical Flexibility
- ◆ Resistance to Oxidation & Vacuum Damage
- ◆ Cost Effective



Application	Snorkel Protecting Liner	Alloy in-let Working Liner	Lower Vessel Throat Working Liner	Snorkel, Upper Vessel Working Liner	Vessel Working Liner	Permanent Liner
Color						

RH MgO-Cr₂O₃ Brick Line-Up

Division		WONJIN A Group									WONJIN B Group								
		A1	A2	A3	A4	A5	A6	A7	A8	A9	B1	B2	B3	B4	B5	B6	B7	B8	B9
Chemical Analysis	SiO ₂	1.9	1.7	1.9	1.8	1.7	1.2	1.5	2.1	2	1.7	2.2	1.3	1.3	2.2	1.4	1.3	1.3	1.3
	Al ₂ O ₃	8.9		8.8	5.6	5.6	4.6	5.6	6.7	7.8	7.5	8.8	7.1	7.3		6.5	3.8	4.3	4.2
	Fe ₂ O ₃	4.4		4.3	4.6	7.2	7	7.2	6.5	7.8	4.1	7	9.3	7.2		6	7.5	7	7.9
	CaO	0.6		0.6	0.5	0.3	0.8	0.3	0.6	0.5	0.4	0.4	0.5	0.4		0.4	0.8	0.6	0.7
	Cr ₂ O ₃	12.2	12.2	15	16.4	29.1	22.7	31.2	16.6	20	22	22.3	29.5	22.6	25.4	19.6	24.4	27.5	31.7
Physical Properties	Density	3.1	3.1	3.1	3.1	3.2	3.2	3.3	3.2	3.1	3.2	3.2	3.4	3.3	3.2	3.2	3.3	3.3	3.3
	A.P(%)	16.5	16.4	16.3	15.5	16.2	15.9	15.6	14.6	18	16.8	14.5	12.6	13.8	17.2	14	14.3	13.9	12.8
	CCS(Mpa)	52.9	47.4	60.8	63.7	60.8	50	48.3	63.7	69.6	66.7	67.6	101	93.1	60.8	67.6	67.6	77.7	76.3
M O R	at R.T	5.9	5.6	5.9	6.4	7.8	6.9	6.5	7.8	7.4	7.4	7.8	15.7	13.2	7.4	9.3	7.4	7.6	13
	at 1,200°C	9.8	11.3	10.8	10.8	12.7	10.3	13.1	12.7	12.7	12.3	15.7	22.1	16.7	15.2	13.7	14.2	19.8	19
	at 1,500°C	3.9	3.9	7.8	4.9	6.4	4.4	6.4	6.4	6.9	6.9	9.3	10.3	10.3	8.3	11.6	3.9	6.2	7.3
Spalling resistance		27	20	25	24	12	27	27	21	10	11	17	15	15	13	24	22	25	22
Erosion resistance		100	100	81	62	41	43	30	68	67	44	60	34	34	32	48	25	31	25

Spalling Resistance Test (Falling Term)= 1,400°C ⇔R.T /
 Erosion Resistance Test (Erosion Index)= Spinning Erosion 1,700°C×5hrs, (A1=100)

Above details are for Mg-Cr Brick which is widely using for RH facility.
 Please contact us for more information or other refractories including
 MgO-Spinel, Castable , etc.

