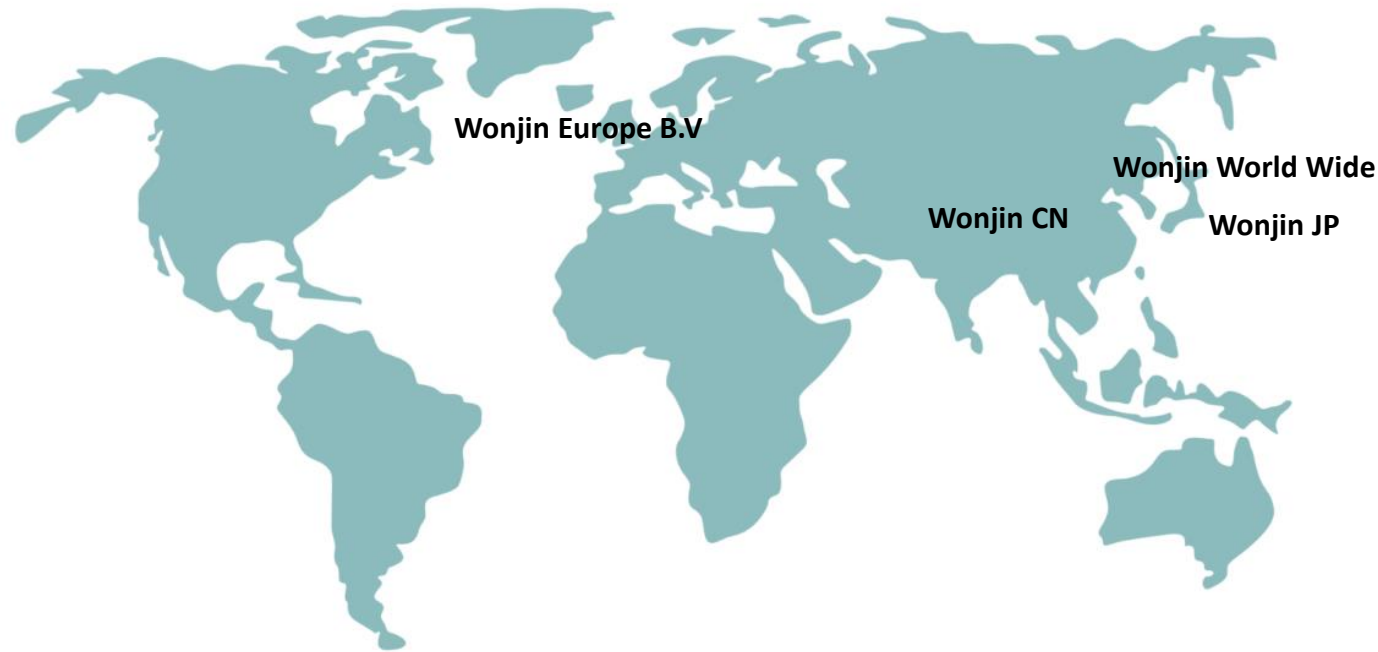




LCCT (Low Cement Castable)

General Low Cement Castable

Self Flow Castable

Silicon Carbide Castable

Al-Chrome Castable



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General Low Cenment Castable

Division			General LCCT							
			WSC-15	WSC-16	WSC-16S	WSC-17	WSC-18	WSC-19	WSC-19S	
Physical Properties	Max service temperture		°C	1550	1600	1650	1700	1800	1900	2000
	Density	at 110°C 24Hr	Kg/m³	2260	2320	2500	2630	2920	3050	3120
	CCS	at 110°C 24Hr	MPa	58.0	61.0	72.0	70.0	66.0	65.0	100.0
	MoR	at 110°C 24Hr	MPa	10.0	11.0	9.5	13.0	12.0	12.0	17.0
	PLC	at 110°C 24Hr	%	-0.04	-0.04	-0.03	-0.03	-0.03	-0.02	-0.03
Chemical Analysis	Al ₂ O ₃		%	52.2	54.5	64.1	72.3	84.6	94.2	96.9
	SiO ₂		%	40.6	40.7	28.7	21.8	10.6	4.29	1.27
	Fe ₂ O ₃		%	1.1	1.0	1.3	1.2	0.9	0.5	0.04
	CaO		%	2.4	2.2	2.8	2.3	1.3	1.2	1.2
Water addition (by weight)			%	5~8	5~8	4~7	4~7	4~6	4~6	5~6
Installation			Vibrating							

Division				General LCCT						
				WSC-16G	WSC-16GS	WSC-17G	WSC-17GS	WSC-18G	WSC-18GS	
Physical Properties	Max service temperture		°C	1600	1600	1700	1700	1800	1800	
	Density	at 110°C 24Hr	Kg/m³	2320	2340	2350	2370	2410	2430	
	CCS	at 110°C 24Hr	MPa	80.0	70.0	67.0	65.0	58.0	60.0	
	MoR	at 110°C 24Hr	MPa	11.0	12.0	12.0	13.0	13.0	14.0	
	PLC	at 110°C 24Hr	%	-0.08	-0.05	-0.08	-0.06	-0.08	-0.04	
Chemical Analysis	Al ₂ O ₃		%	67.2	65.9	74.3	73.6	78.2	77.1	
	SiO ₂		%	21.9	18.9	14.8	11.7	9.8	8.7	
	Fe ₂ O ₃		%	0.9	1.3	0.87	1.06	0.7	0.7	
	CaO		%	7.1	7.3	7.0	7.5	7.1	7.0	
	SiC		%		4.2		3.8		2.8	
Installation				Gunning						

Self Flow Castable

Division			General Slef Flowing Castable				Silicon Carbide Self Flowing Castable			
			SFC-16	SFC-17	SFC-18	SFC-19	SFC-30SC	SFC-60SC	SFC-85SC	
Physical Properties	Max service temperture		°C	1600	1700	1800	1900	1700	1700	1700
	Density	at 110°C 24Hr	Kg/m³	2540	2620	2790	3160	2640	2500	2460
	CCS	at 110°C 24Hr	MPa	65.0	65.0	60.0	55.0	60.0	43.0	42.0
	MoR	at 110°C 24Hr	MPa	12.0	12.0	11.0	9.0	10.0	9.0	8.0
	PLC	at 110°C 24Hr	%	-0.05	-0.03	-0.03	-0.02	-0.03	-0.05	-0.06
Chemical Analysis	Al ₂ O ₃		%	66.5	77.1	82.9	92.2	54.2	28.3	8.7
	SiO ₂		%	26.2	15.7	10.2	2.6	7.8	6.1	3.4
	Fe ₂ O ₃		%	1.1	0.9	0.7	0.4	0.9	0.3	0.1
	CaO		%	2.8	2.5	2.7	2.1	2.5	2.2	2.1
	SiC		%					31.2	61.1	83.5
Water addition (by weight)			%	7.5~9.5	7~9	7~9	7~9	7~9	9~12	9~12
Installation			Slef Flowing							

Silicon Carbide Castable

Division				Silicon Carbide Castable				
				WSC-15SC	WSC-30SC	WSC-50SC	WSC-60SC	WSC-85SC
Physical Properties	Max service temperture		℃	1700	1700	1700	1700	1700
	Density	at 110℃ 24Hr	Kg/m³	2000	2700	2650	2700	2660
	CCS	at 110℃ 24Hr	MPa	11.0	70.0	41.0	90.1	105.0
	MoR	at 110℃ 24Hr	MPa	4.0	11.0	8.5	13.2	13.5
	PLC	at 110℃ 24Hr	%	-0.06	-0.06	-0.06	-0.05	-0.04
Chemical Analysis	Al ₂ O ₃		%	45.5	55.8	40.6	28.4	7.2
	SiO ₂		%	29.6	4.9	6.1	6.0	2.9
	Fe ₂ O ₃		%	1	0.8	0.3	0.1	0.1
	CaO		%	4.8	2.4	1.5	1.5	1.9
	SiC		%	16.5	33.5	49.5	60.2	83.5
Water addition (by weight)			%	14~16	4~7	4~7	4~7	4~6
Installation				Vibrating				

Al-Chrome Castable

Division				Chrome Castable				
				WSC-10CR	WSC-20CR	WSC-30CR	WSC-40CR	WSC-60CR
Physical Properties	Max service temperature		°C	2000	2000	2000	2100	2100
	Density	at 110°C 24Hr	Kg/m³	3200	3290	3300	3450	3560
	CCS	at 110°C 24Hr	MPa	95.0	100.0	80.0	66.0	55.0
	MoR	at 110°C 24Hr	MPa	18.0	20.0	15.0	12.0	9.5
	PLC	at 110°C 24Hr	%	-0.04	-0.03	-0.06	-0.04	-0.05
Chemical Analysis	Al ₂ O ₃		%	84.4	77.7	64.5	54.8	37.1
	SiO ₂		%	1.0	0.8	2.1	0.4	1.9
	Fe ₂ O ₃		%	0.5	0.5	0.4	0.4	0.4
	CaO		%	2.3	2.2	2.4	1.7	1.8
	Cr ₂ O ₃		%	11.7	18.8	30.1	40.8	55.6
Water addition (by weight)			%	4~7	4~7	5~8	4~7	4~7
Installation				Vibrating				

