

Product		GRF-HEX-RE	GRF-KX-RE	GRF-WP13-RE	GRF-ST	GRF-D82X-RE	GRF-D60X-RE
Raw materials		CLC type	Kaoram type	WPC type	13S type	Silicon carbide	Silicon carbide
Max service temperature (°C)		1600	1550	1450	1450		
Installation requirement (t/m ³)		2.46	2.23	2.19	2.10	2.60	2.58
Water additions (wt%)		6.5~7.5	7~8	10.5~11.5	14~15	7.5~8.5	7.5~8.5
Chemical composition (%)	SiO ₂	34	51	48	42	5	8
	Al ₂ O ₃	61	44	45	48	9	28
	SiC					82	60
Bulk density	110°C × 24hrs.	2.46	2.23	2.19	2.10	2.60	2.58
	()Tempx 3hrs.	2.40 (1400)	2.25 (1400)	2.25 (1400)	2.05 (1300)		
Cold crushing strength (MPa) Bending strength (MPa)	110°C × 24hrs.	36 (8)	54 (10)	64 (9)	42 (8)	35 (9)	35 (9)
	700°C × 3hrs.						
	900°C × 3hrs.				25 (5)		
	1000°C × 3hrs.	64 (13)	61 (12)	44 (7)		70 (16)	88 (20)
	1200°C × 3hrs.				25 (5)	85 (20)	100 (22)
	1400°C × 3hrs.	98 (21)	64 (12)	34 (8)			
	1600°C × 3hrs.						
Permanent linear change (%)	110°C × 24Hrs	0	0	0	0	0	0
	()Temp.x 3hrs.	0.45 (1400)	-0.2 (1400)	-0.5 (1400)	-0.4 (1300)	-0.15 (1200)	-0.1 (1200)
Porosity (%)	110°C × 24hrs.	15	10	9			
	700°C × 3hrs.						
	1000°C × 3hrs.	18	17	23			
	1400°C × 3hrs.	19	16	17			
Thermal expansion (%) at 1000°C		0.6	0.45	0.4	0.2	0.25	0.35
Thermal conductivity (W/mK)	at 500°C	2.4	1.7	1.3	1.2	5.4	4.8
	at 1000°C	2.7	2.0	1.4	1.3	8.3	6.7
Standard package quantity(kg)		25	25	25	25	25	25
Quick setting agent		GRF-KYU1	GRF-KYU1	GRF-KYU1	GRF-KYU-ST	GRF-KYU1	GRF-KYU1
Preceding mortar		OMSK-34	OMSK-34	OMSK-34	OMSK-34	OMSK-34	OMSK-34
Typical applications		Types of kilns	Types of kilns	Types of kilns Incinerator Waste gas washing device	Types of kilns	Boiler Cement kiln	Boiler Cement kiln

※The data shown here is a representative value, and no hallmark value.

※When the wet gunning method method with the Gunning Rheo-flow(GRF) products is used, please contact with our company or the distributor.