

technical data sheet - clinka 4-10mm

Product name		clinkaFILL 4-10		
Property	test method	Declared value		
		Limits ¹	Typical value	
Loose bulk density	BS EN 1097-3	(Limits $\pm 15\%$)	245-325 kg/m ³	285 kg/m ³
Particle density	BS EN 1097-6	(Limits $\pm 15\%$)	480-640 kg/m ³	560 kg/m ³
Aggregate size	BS EN 933-1			3.15-9 mm
Particle shape				Round/cracked
Aggregate size distribution	BS EN 933-1 Dry sieving	Mesh size (mm)	Passing (%)	
		12.5	100-100	100 %
		10	99-100	100 %
		9	90-100	97 %
		8	75-96	87 %
		6.3	45-75	61 %
		4	3-20	10 %
		3.15	0-10	3 %
		0.25	0-3	1 %
0.063	0-2	1 %		
Water absorption	BS EN 1097-6	Time	Water absorption (%)	
		5 min.	23-29	26 %
		60 min.	27-33	29 %
		24 hour	33-43	37 %
Crushing resistance	BS EN 13055-1	min. 0.77 N/mm ²		1.05 N/mm ²
Percentage of crushed particles	BS EN 933-5/A1		1-40%	20 %
Duability against freeze/thaw	BS EN 13055-1	Durable according to long term experience		
Chloride	BS EN 1744-1	max.		0.02 %
Acid-soluble sulphate	BS EN 1744-1	max.		0.5 %
Total sulphur	BS EN 1744-1	max.		0.32 %

¹ 90 % tolerance interval with a confidence level of 90 % according to ISO 12491 unless otherwise stated

Baked at 1200° C clinkaFILL is practically indestructible by fire

clinkaFILL does not contain organic materials or byproducts; it does not rot or deteriorate in time, even under extreme temperature or humidity conditions. It has a high resistance against acids and solvents. It does not breakdown when subjected to freeze-thaw cycles. clinkaFILL does not contain, nor release silica, fibrous substances, Radon gas or other harmful materials, even in the event of a fire. It is a natural and environmentally friendly product.

The manufacturing plant has quality management system acc. to DS/EN ISO 9001:2000; Environmental management system acc. to DS/EN ISO 14001:2004; and the energy management system acc. to DS 2403:2001

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clinka: n. lightweight, insulating building products



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