

CORDIERITE CHAMOTTE **GCS-WE**

A chamotte with a particularly low and constant thermal expansion for products with high thermal shock resistance. It is mainly suitable for refractories such as kiln furniture, kiln linings and heat exchangers as well as refractory concretes made from graded grain fractions.

CORDIERITE CHAMOTTE GCS-WE ³⁾

Chemical analysis [%]	SiO ₂	53,1
	Al ₂ O ₃	31,1
	TiO ₂	1,47
	Fe ₂ O ₃	1,51
	CaO	0,59
	MgO	11,6
	K ₂ O	0,51
	Na ₂ O	0,02

Water absorption [%]		8,4
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Coefficient of expansion α [$\times 10^{-6}K^{-1}$]	*pre fired 1070°C	20-200°C	2,5
		20-500°C	2,4
		20-600°C	2,6

Refractoriness	1410°C	SK 14
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Firing colour		grey
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Available: • ground in the range < 30 mm up to < 63 μ m • also fractional

* Pre fired in laboratory kiln

³⁾ Special chamotte = fired from fine ceramic granulate