



EDUARD MERKLE GMBH & CO. KG

KALK-, TERRAZZO- UND STEINMAHLWERKE 89143 Blaubeuren-Altental Tel. (0 73 44) 96 01-0 Fax (0 73 44) 96 01-11

CRISCARB CMX**Chemical analysis**

CaCO ₃	95,5 %	
MgCO ₃	3,0 %	
Fe ₂ O ₃	0,08 %	
Volatile matter (105°C)	(DIN EN ISO 787-2)	< 0,2 %
Loss on ignition	(DIN EN 459-2)	43,6 %
HCl-insoluble	(DIN 55 918)	1,4 %

Physical Data

Loose bulk density		0,76 g/cm ³
Packed bulk density	(DIN EN ISO 787-11)	1,4 g/cm ³
Oil absorption	(DIN EN ISO 787-5)	15 g/100g
DOP absorption	(DIN EN ISO 787-5)	24 g/100g
Electrical conductivity (10%)	(DIN ISO 787-14)	62 µS/cm
pH value	(DIN EN ISO 787-9)	9,4
Density	(DIN EN ISO 787-10)	2,7 g/cm ³
Hardness (Mohs)		3
Refractive index		1,59

Optical properties

Brightness	(C/2°, DIN 53 163)	94,5
Yellow-index	(DIN 6167)	2,0
CIELAB-Colour values	(DIN 6174)	L* 97,6
		a* 2,9
		b* 0,7

The above data are average values from numerous measurements, published without legal commitment.

Sieve analysis (DIN 53 734)

Percentage of particles finer than	40 µm	99,9 %
	32 µm	99,6 %

Particle size distribution (Laser-Granulometer)

Percentage of particles finer than	24 µm	97 %
	16 µm	88 %
	8 µm	70 %
	4 µm	46 %
	2 µm	26 %

Mean particle size: 4,5 µm

**Particle size distribution curve of CRISCARB CMX
(Laser-Granulometer Sympatec Helos R3)**

