

GRADES

COMPOSITION AND PROPERTIES

Grades for stone working – composition and properties
Sorten für Steinbearbeitung – Zusammensetzung und Eigenschaften
Nuances pour les applications de la pierre – composition et caractéristiques
Gradi applicazioni pietra – composizione e caratteristiche
Calidades para piedra – composición y características

CERATIZIT grade code	ISO code	U.S. code	Binder Binder Liant Legante Ligante [m %]	Density Dichte Densité Densita Densidad [g/cm³]	Hardness			Transverse Rupture Strength	
					HV10	HV30	HRA	[MPa]	[P.S.I.]

Chromium grade

Submicron grain

CTS06-KC	KCR06	–	3.0	15.30	1950	1910	93.6	2300	334.000
----------	-------	---	-----	-------	------	------	------	------	---------

WC-Cobalt Grades

Submicron grain

CTS20-BC	MG18	–	10	14.45	1680	1660	92.3	3700	537.000
----------	------	---	----	-------	------	------	------	------	---------

Fine grain

CTF08-BC	BC01	–	4.0	15.15	1845	1815	93.1	2050	298.000
CTF11-BC	BC03	–	5.6	14.95	1760	1730	92.7	2150	312.000
CTF12-BC	BC05	C2	6.0	14.95	1640	1620	92.1	2200	319.000
CTF24-BC	BC30	C11	12.0	14.30	1330	1320	89.7	3000	435.000
CTF30-BC	BC40	C13	15.0	14.05	1250	1240	88.8	3100	450.000

Medium grain

CTM14-BC	BC10	C2	7.0	14.90	1550	1530	91.5	2600	377.000
CTM17-BC	BC20	C1	8.5	14.65	1420	1400	90.4	2800	406.000
CTM18-BC	HC35	C1	9.0	14.60	1400	1380	90.3	2800	406.000

Coarse grain

CTE20-BC	BC45	–	10.0	14.60	1130	1120	87.6	2600	377.000
CTE30-BC	BC50	C14	15.0	14.05	970	960	85.6	2800	406.000
CTE35-BC	BC55	–	17.5	13.80	920	910	85.0	2850	414.000

Classification of the WC grain size		CERATIZIT code
Average grain size [µm]	Classification	
< 0.2	nano	N
0.2 - < 0.5	ultrafine	U
0.5 - < 0.8	submicron	S
0.8 - < 1.3	fine	F
1.3 - < 2.5	medium	M
2.5 - < 6.0	coarse	C
> 6.0	extra-coarse	E