



sp3 CVD Diamond Coating

Coating Services

Tool Diameter	sp3 CVD Diamond Typical Coating Thickness Inserts or other Flat Tools		
	Type 10	Type 15	Type 18
All	10 to 15 um	16 to 23 um	26 to 38um
Morphology *	Microcrystalline*	Microcrystalline*	Microcrystalline*

sp3 CVD Diamond Carbide Compatibiltiy

Recommended Grades for Inserts and Flat Tools	Carboly - 883/HX Circle - C25 Dapra - F1 Duramet - DU2/DU22 Firth Sterling H21/HA Greenleaf - GO2 Iscar - IC20/IC28 Everede - CS2	Ingersoll - ICT205/ICT 111 Kaiser Thinbit - D5 Kennametal - K68 Millstar Mitsubishi - HTi20T/HTi10 Newcomer - 22 Sandvik - H10/H13A Sumitomo -G10E Taegu Tec - K10	Teledyne - H21/HA Tool Flo - C25 Toshiba - Th10 Ultra-met - Z22, Z86 Valenite - VC2/VC3 Walmet - WA2 Widia - THM
Acceptable Grades for Inserts and Flat Tools	Fansteel/VWR - 2A5 General Carbide - GC106 Ingersoll - ICT111 Ultra-met - Z23		

*** NOTES:**

Standard morphology is as noted. Nanocrystalline morphology is available on a special order basis. Recommended grades are suitable for optimum coating adhesion and hence assure reliable and consistent tool performance. Acceptable grades are suitable for less than optimum coating adhesion. Reject rates of up to 4% may be experienced. Please consult sp3 Diamond Technologies for information on other carbide grades.

Contact us toll-free at 877-773-9940!