

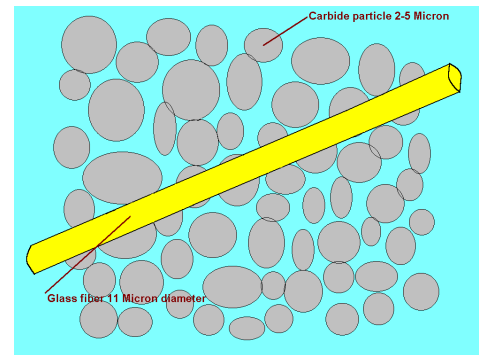


Fine Particle Abrasion

CarbideX[®] C1000

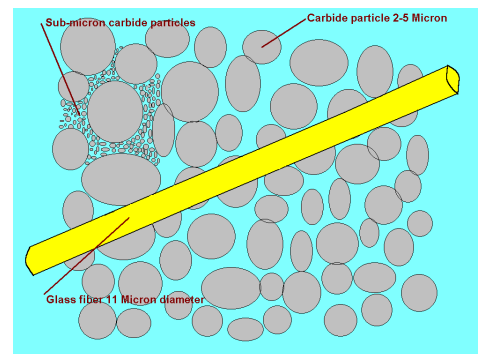
CarbideX[®] C9000 Comparison

The **CarbideX[®] C1000** material is composed of two to five (2-5) micron tungsten carbide particles held in a cobalt matrix binder. Large abrading particles “skip” over the surface of the hard carbides while the softer cobalt binder is protected. Wear life in this case is a function of the carbide density and material thickness. In fine particle abrasion, sub-micron particles can get between the carbides and erode the softer cobalt binder. The hard carbides fall out of the matrix and wear life is shortened.



CarbideX[®] C1000

Extreme Coatings **CarbideX[®] C9000** Millennium Carbide contains sub-micron carbide particles that help protect the softer cobalt binder. These particles fill the spaces between the individual two to five (2-5) micron carbide particles and protect the matrix from being eroded. Our **CarbideX[®] C9000** wears about 25% longer than a standard tungsten carbide. Thirty percent of **CarbideX[®] C9000** is composed of sub-micron carbides. These dense carbides contribute to exceptional wear life especially where fine particle abrasion exists.



CarbideX[®] C9000

CarbideX is a registered trademark of Surface Engineering Alloy Company / Extreme Coatings

Specialists in Wear Resistant Products & Solutions!