



Titanium Carbonitride  
(TiCN)

Proprietary  
(TX)

Crystalline Diamond  
(Diamond)

pink-red

violet-grey

light grey-silver

gradient

nano structure

monolayer

1–4 microns

1–4 microns

6–20 microns

3000

3000

>8000

0.3–0.45

0.50

0.15–0.2

400°C / 752°F

900°C / 1562°F

800°C / 1470°F

A very wear resistant coating with high toughness and shock resistance. Good in interrupted cuts found in applications like milling.

Applied utilizing a patented process, this coating offers unsurpassed adhesion aiding in long tool life. The coating deposition is consistent and dense giving strength advantages to the coating.

This is the hardest coating available with the best abrasion resistance. It is carbon based so it is limited in application capabilities. It is also the most expensive with the longest processing time.