



Titanium DiBoride
(TiB₂)

light grey-silver

monolayer

1–2 microns

4000

0.10 – 0.20

850°C / 1562°F

This coating offers a very smooth surface and a low affinity to cold welding or built up edge, which makes it optimal for Titanium, Aluminium (>10%) and copper applications. It has high toughness and high hardness.



Crystalline Diamond
(Diamond)

light grey-silver

monolayer

6–20 microns

>8000

0.15–0.2

800°C / 1470°F

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.