



AluCon®

for Aluminum, Titanium and Non-ferrous Metals

The coating material AluCon® is a TiB₂-based HiPIMS coating material. It forms a unique combination of nanocrystalline, extremely dense and at the same time smooth coating material with maximum coating adhesion. It effectively prevents built-up edges and has a hardness of up to 4,000 HV_{0.05}. The guarantor for optimum machining results in non-ferrous metals, even at high operating temperatures.

Application example

Against built-up edges with maximum coating adhesion

Material: **TiAl6V4**

Tool: **inserts with x-geometry**

$v_c = 100$ m/min

$f_z = 0.06$ mm

$a_e = 15.28$ mm

$a_p = 0.8$ mm

$v_b = 0.34$

Cooling: **oil**



Technical data

Coating technology:

HiPIMS

Composition of the coating material:

TiB₂-based

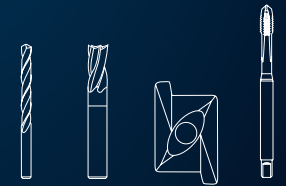
Color:

Silver

Max. operating temperature:

1,100°C

Available coating thicknesses



≈ 2 μm



Talk to an expert

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