

MOX2[®]

The MOX2[®] is a solid, MoS₂-based lubricant for reducing friction on hard PVD or CVD coatings.

PRODUCT FEATURES

- » Used in combination with any PVD or CVD hard coating
- » Appropriate substrate hardness required
- » Reduction of adhesion and galling effects
- » Allows for reduction of lubricants

APPLICATIONS

Cutting	Overcomes challenges of chip removal, built-up edge formation, adhesion, and galling effects during cutting application.
Forming / Cutting tools	Forming and blanking of stainless steel, non-ferrous metals, and aluminium alloys.
Other	For applications with high adhesion effects with reduced flow behaviour and/or sliding forces as well as self-lubricant support during lubricant reduction

COATING PROPERTIES

Hardness	< 500 HV
Max. application temperature	400 °C / 750 °F
Coefficient of friction against steel	0.1
Coating thicknesses	1 µm
Colour	anthracite
Deposition method	Magnetron sputtering PVD*
Coating temperature	< 200 °C
Coating structure	MoS ₂ -based
Adhesion tendency with aluminium alloy	none

*by voestalpine eifeler Vacotec GmbH

