

Coating material	Typical Thickness mkm	Discription	HV50	Friction coefficient against steel dry	Max service T C	Coating colour	Applications
<u>TYPICAL COATINGS</u>							
SP-TiN	TiN	2÷5 monolayer	2200	0.4	600	gold	General coating, Steel machining, Light stamping
SP-TiCN-g	TiCN	2÷5 multilayer	2800	0.4	400	silver	Milling, Geer cutting, Light stamping
SP-TiCN-b	TiCN	2÷5 multilayer	2800	0.4	400	bronze	Light stamping
SP-CrN-m	CrN	2÷10 Multilayer	1900	0.3-0.5	700	silver	Drawing steel and aluminum Cutting cooper containing alloys
SP-ZrN	ZrN	2÷5 Monolayer	2500	0.3-0.4	600	yellow	Machining Aluminum, abrasive resistant coating
SP-TiAl-n	TiALN	2÷5 nanocoting-grain size in the range 20-40 nm	3000	0.3-0.4	900	violet-grey	Very popular coating for wide steel machining
<u>ADVANCED COATINGS</u>							
ER-10		10÷40 Monolayer with nanograin structure	2500	0.7	900	violet	Erosion protection of the elements of the urbine engines
V-10		3÷15 Monolayer, Multicomponent Continues librication	2500	0.07-0.1	600	yellow	Stamping dies, punches Diecasting tools, Extrusion tools, tribological applications
CUTEX-1		2÷5 Monolayer, Nanograin Multicomponent Continues librication	3200	0.2	800	violet	Cutting stainless steel. Ni-alloyes prehardened steel
CUTEX-2		2÷5 Monolayer, Multicomponent Continues librication	2600	0.1	700	yellow	Cutting all Aluminum Alloyes Cutting gummy materials.
A-Coat		70-100 Monolayer	1400-1800	below 0.1	400	white/grey	Wear rsistant coating for protection Light alloyes

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