

THERMAL SPRAY FLEXICORD

Technical Bulletin



TI-ELITE

Ceramic Supra series – ref : 98210 4447 000

TI-ELITE Flexicord is designed to be sprayed with our MASTER JET® flame spray gun. TI-ELITE Flexicord provides: blue color, smooth and wear, erosion and cavitation resistant coating and having a good corrosion resistance versus most of acids & alkalis. Narrow spray pattern suitable for narrow parts.

Applications

Thread guides, guide bars, feed separators, capstans, pumps bodies, pump sleeves, shaft, piston, cylinder rods. Friction surface for seals (O-Rings).

Typical composition (%) - T^{TIP}

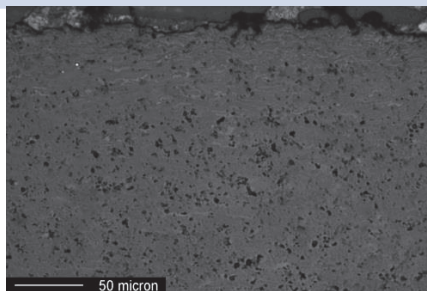
Al ₂ O ₃	87
TiO ₂	13

Color code

Skin	Blue
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Packaging

Ø Flexicord	4,75 mm +/- 0,1mm
Spool	Plastic - SD 300mm
Weight	4,3 Kg +/- 10%

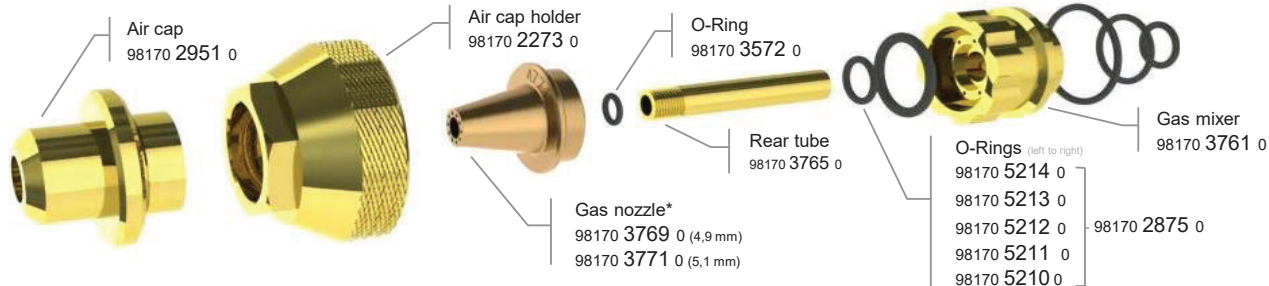


Typical microstructure of Ti-Elite sprayed with our Master Jet® flame spray gun.

Coating features

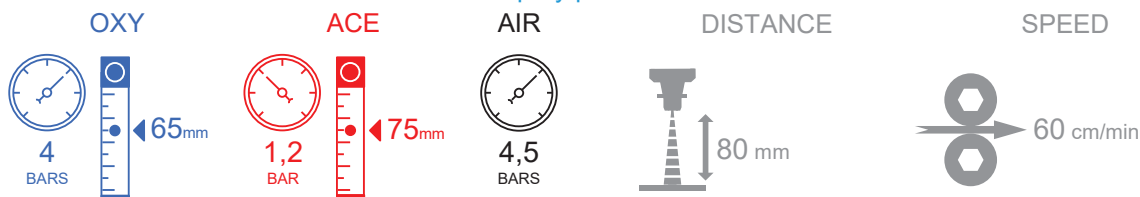
Porosity	3 - 4%
Pore diameter	~1 - 15 µm
Roughness Ra (as sprayed)	3 - 5 µm
Hardness	900 Hv ₃₀₀
Density	3,4 g/cm ³
Deposit Efficiency	42%

Gun configuration



*Use 4,9 mm in dry area – 5,1 mm in wet area

Spray parameters



Production performances

