

THERMAL SPRAY FLEXICORD

Technical Bulletin

TI-TEX

Ceramic Supra series – ref : 98210 4547 000

TI-TEX Flexicord is designed to be sprayed with our MASTER JET® flame spray gun. TI-TEX Flexicord provides: black color, smooth and having a good corrosion resistance versus most of acids & alkalis. Dense and hard and it resists to wear caused by friction. Narrow spray pattern suitable for narrow parts.

Applications

Thread guides, guide bars, feed separators, capstans, pumps bodies, pump sleeves, shaft, piston, cylinder rods, pin guide... Slightly lower hardness than Ti-Elite but less brittle. Choice coating for wear resistance in textile industry,

Typical composition (%) - T^{TIP}

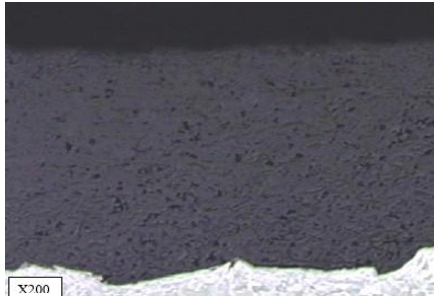
Al ₂ O ₃	60
TiO ₂	40

Color code

Skin	Red
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Packaging

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

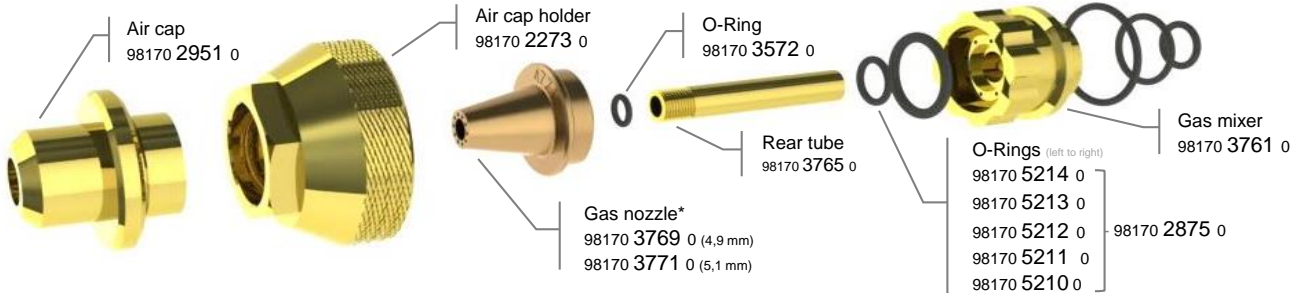


Typical microstructure of Ti-TEX sprayed with our Master Jet® flame spray gun.

Coating features

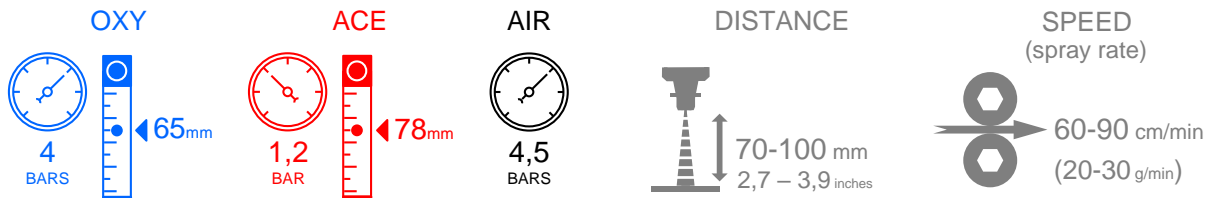
Porosity	4 - 7%
Pore diameter	~1 - 15 µm
Roughness Ra (as sprayed)	3 - 5 µm
Typical Hardness	950 Hv ₃₀₀
Density	3,6 g/cm ³
Deposit Efficiency	47%

Gun configuration

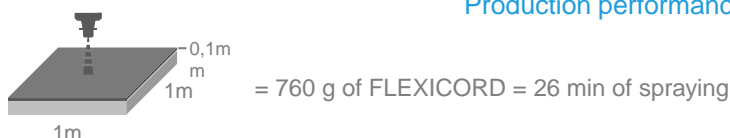


*Use 4,9 mm in dry area – 5,1 mm in wet area

Spray parameters



Production performances



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