

THERMAL SPRAY FLEXICORD

Technical Bulletin

CHROMIA SUPRA

Ceramic Supra series – ref : 98212 0247 000

CHROMIA SUPRA Flexicord is designed to be sprayed with our MASTER JET® flame spray gun. CHROMIA SUPRA Flexicord provides: dense and smooth coating having a very high wear resistance, good friction resistance, medium abrasion resistance and very good corrosion resistance versus most acids & alkalis.

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}

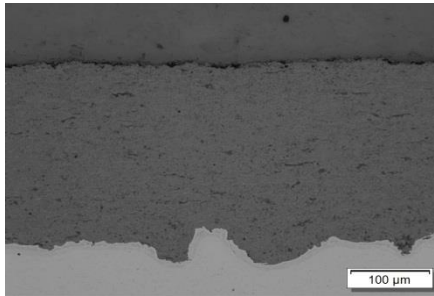
Cr ₂ O ₃	99,2
Other	0,8% max

Color code

Skin	Blue
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Packaging

Ø Flexicord	4,75 mm +/- 0,1mm
Spool	Plastic - SD 300mm
Weight	5,5 Kg +/- 10%

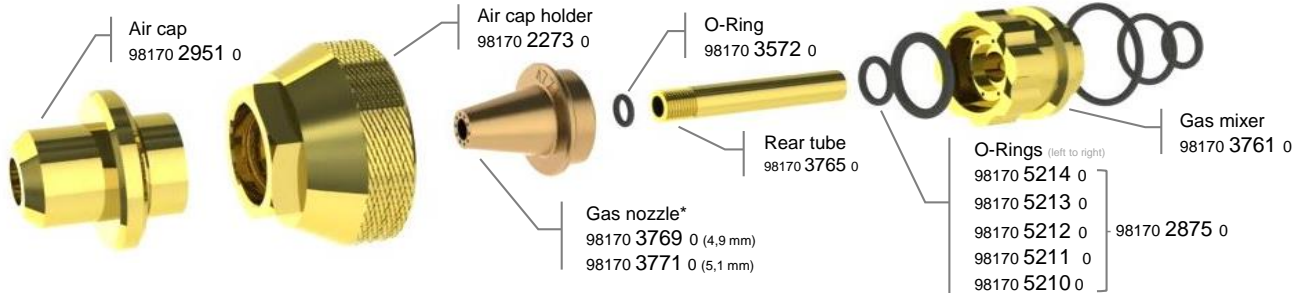


Typical microstructure of Chromia Supra sprayed with our Master Jet® flame spray gun.

Coating features

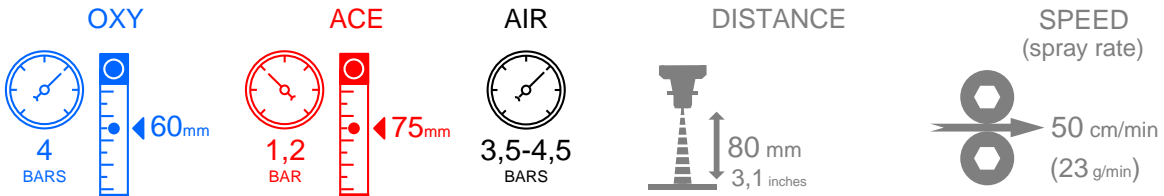
Porosity	< 2,5 %
Pore diameter	~5 µm
Roughness Ra (as sprayed)	~3,1 µm
Typical Hardness	1110 Hv ₃₀₀
Density	5,1 g/cm ³
Deposit Efficiency	25% (up to 400µm) 15% (up to 1000µm)

Gun configuration



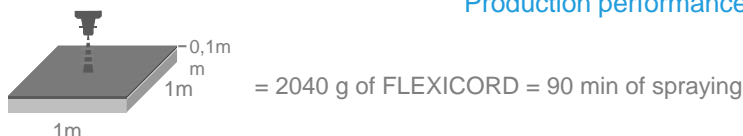
*Use 4,9 mm in dry area – 5,1 mm in wet area

Spray parameters



Master Cleaner required (ref.: 98110 3000 000)

Production performances



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