

# 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<sup>TIP</sup>

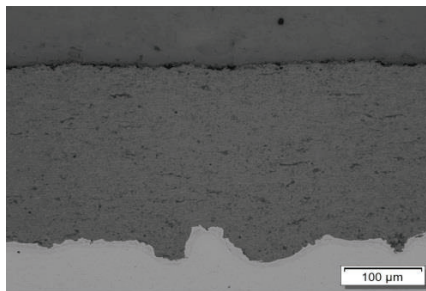
Cr <sub>2</sub> O <sub>3</sub>	99,2
Other	0,8% max

### 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%

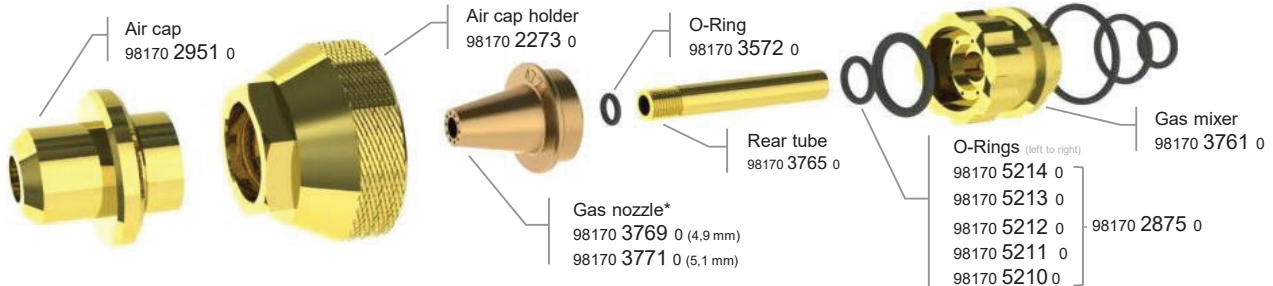


Typical microstructure of Chromia Supra sprayed with our Master Jet® flame spray gun.

### Coating features

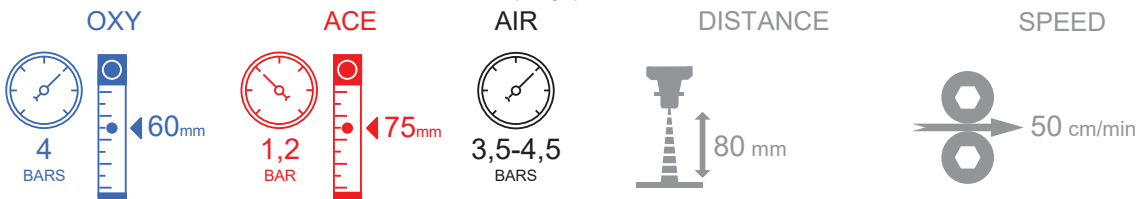
Porosity	~1%
Pore diameter	~5 µm
Roughness Ra (as sprayed)	~3,1 µm
Hardness	1110 Hv <sub>300</sub>
Density	4,8 g/cm <sup>3</sup>
Deposit Efficiency	25% (up to 400µm) 15% (up to 1000µm)

### Gun configuration



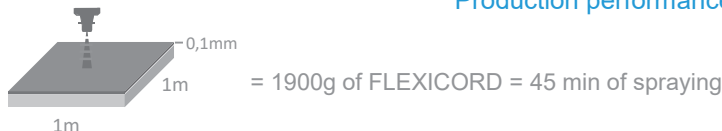
\*Use 4,9 mm in dry area – 5,1 mm in wet area

### Spray parameters



Master Cleaner required (ref.: 98110 3000 000)

### Production performances



SAINT-GOBAIN COATING SOLUTIONS

