

# THERMAL SPRAY FLEXICORD

## Technical Bulletin

# SPINEL SUPRA

Ceramic Supra series – ref : 98210 7147 000

SPINEL SUPRA Flexicord is designed to be sprayed with our MASTER JET® flame spray gun. The SPINEL SUPRA has a low wettability versus Al & Zn. SPINEL has a good stability up to high temperature (1400°C) and provides a good electrical insulation, good corrosion resistance versus most of acids & alkalis, medium abrasion resistance. Smoother surface and denser than SPINEL coating.

### Applications

Suitable for contact with molten metals (Al, Zn). Thermal barrier coating crucibles, chutes, fusion pots, molds, funnels, spoons. Feed rollers for galvanized wires manufacturing. Steel converter chimney and cover.

### Typical composition (%) - T<sup>TIP</sup>

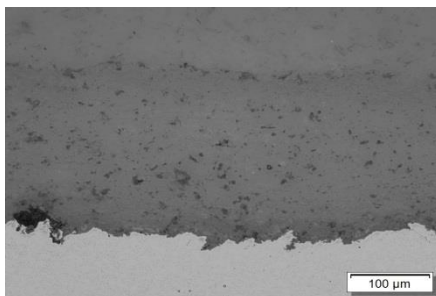
Al <sub>2</sub> O <sub>3</sub>	75
MgO	25

### Color code

Skin	Pink
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### Packaging

Ø Flexicord	4,75 mm +/- 0,1mm
Spool	Plastic - SD 300mm
Weight	4,6 Kg +/- 10%

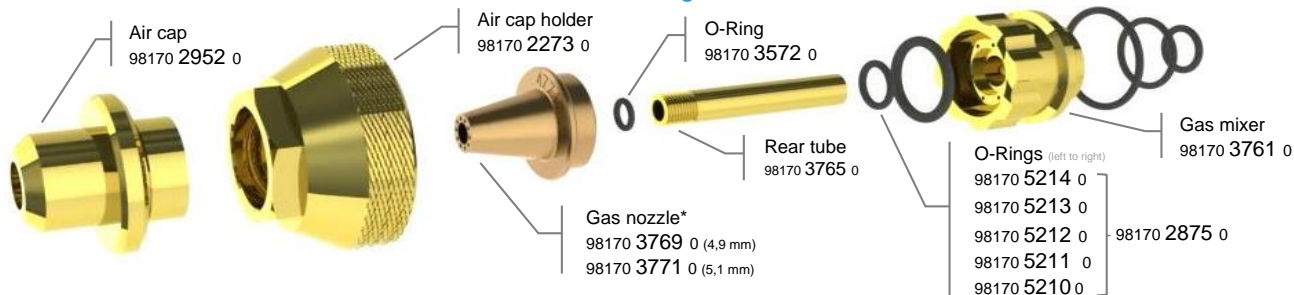


Typical microstructure of Spinel Supra sprayed with our Master Jet® flame spray gun.

### Coating features

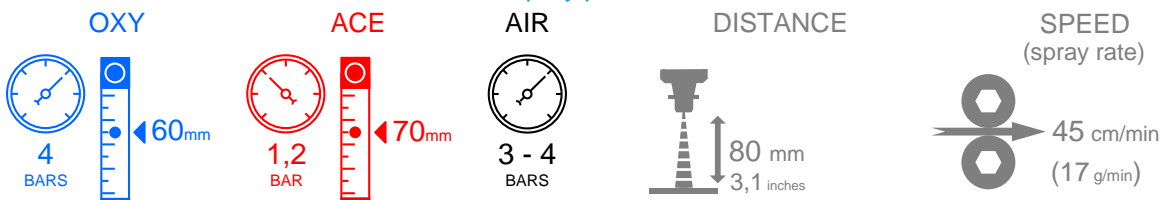
Porosity	2 – 4 %
Pore diameter	5 - 10 µm
Roughness Ra (as sprayed)	~5 µm
Typical Hardness	600 Hv <sub>300</sub>
Density	2,84 g/cm <sup>3</sup>
Deposit Efficiency	27%

### Gun configuration



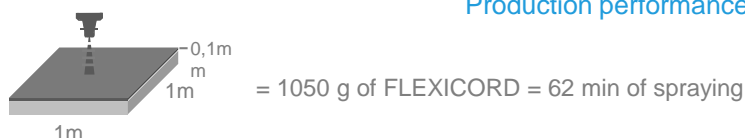
\*Use 4,9 mm in dry area – 5,1 mm in wet area

### Spray parameters



Master Cleaner required (ref.: 98110 3000 000)

### Production performances



## SAINT-GOBAIN COATING SOLUTIONS

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