

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^{TIP}

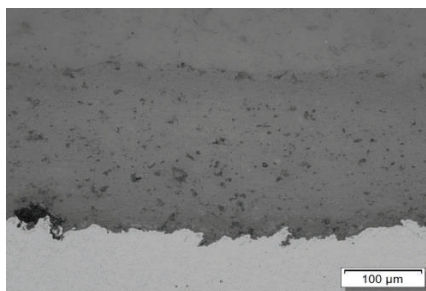
Al ₂ O ₃	75
MgO	25

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%

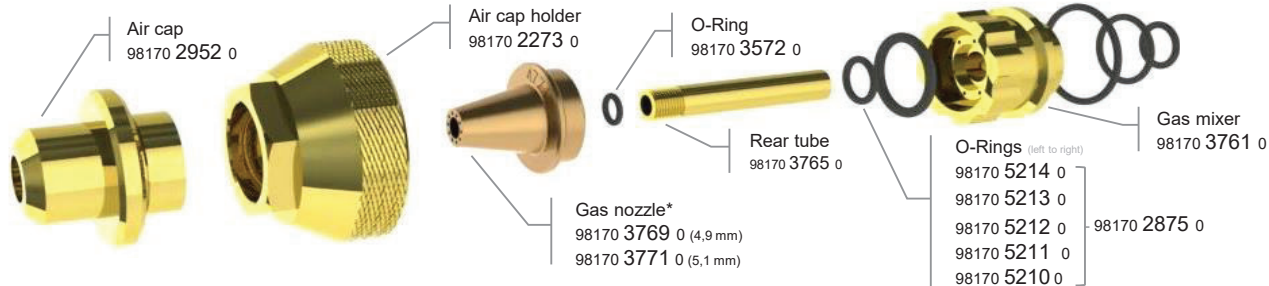


Typical microstructure of Spinel Supra sprayed with our Master Jet® flame spray gun.

Coating features

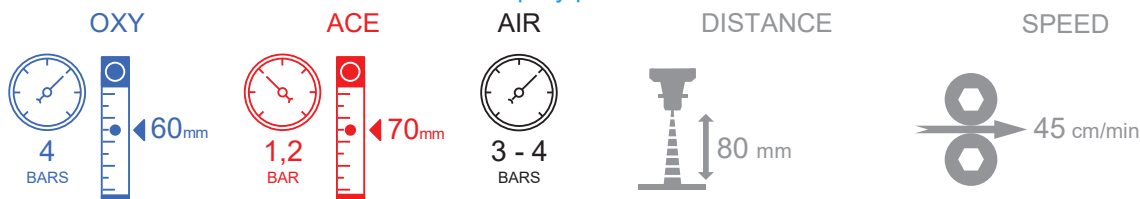
Porosity	2 - 4 %
Pore diameter	5 - 10 µm
Roughness Ra (as sprayed)	~5 µm
Hardness	600 Hv ₃₀₀
Density	2,84 g/cm ³
Deposit Efficiency	27%

Gun configuration



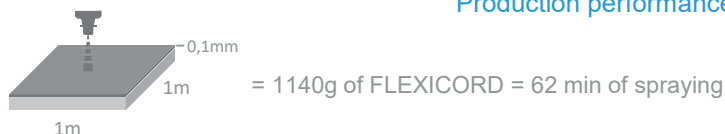
*Use 4,9 mm in dry area – 5,1 mm in wet area

Spray parameters



Master Cleaner required (ref.: 98110 3000 000)

Production performances



SAINT-GOBAIN COATING SOLUTIONS

