

THERMAL SPRAY FLEXICORD

Technical Bulletin

AZ SUPRA

Ceramic Supra series – ref : 98210 8147 000

AZ SUPRA Flexicord is designed to be sprayed with our MASTER JET® flame spray gun. AZ SUPRA has a very good abrasion resistance at high associated with good impact resistance. It has a medium hardness, very good toughness, good resistance to thermal shocks and thermal cycles and good corrosion resistance versus most acids & alkalis.

Applications

Rails, cylinder rods, forming tools in contact with molten glass, refractory funnel. All applications requiring wear resistance and high toughness up to 700°C.

Typical composition (%) - T^{TIP}

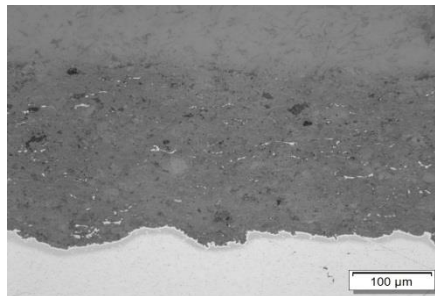
Al ₂ O ₃	75
ZrO ₂	23
Other	2

Color code

Skin	Pink
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Packaging

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

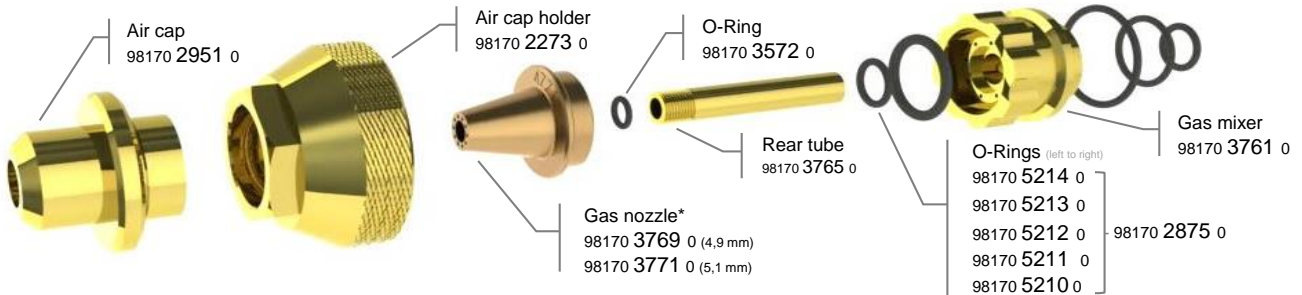


Typical microstructure of AZ Supra sprayed with our Master Jet® flame spray gun.

Coating features

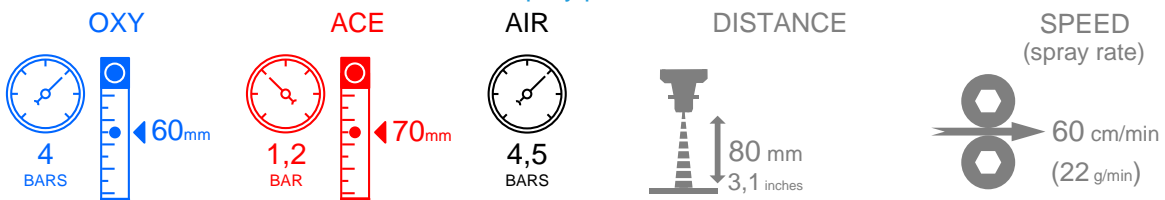
Porosity	~1,8%
Pore diameter	5 - 10 µm
Roughness Ra (as sprayed)	~5 µm
Typical Hardness	600 Hv ₃₀₀
Density	3,52 g/cm ³
Deposit Efficiency	25%

Gun configuration



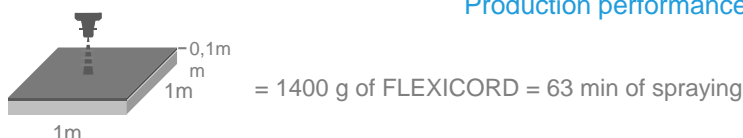
*Use 4,9 mm in dry area – 5,1 mm in wet area

Spray parameters



Master Cleaner required (ref.: 98110 3000 000)

Production performances



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