

THERMAL SPRAY FLEXICORD

Technical Bulletin



BLUE CORUNDUM

Ceramic series – ref : 98210 4147 000

BLUE CORUNDUM Flexicord is designed to be sprayed with our MASTER JET® flame spray gun. BLUE CORUNDUM Flexicord provides: Good wear, abrasion resistance. Also a good corrosion resistance versus most of acids & alkalis.

Applications

Enables free-standing coatings (up to 5mm and even more) to make crucibles or other components, mixer, blender extruder body, tank coating, wear parts for ceramic industries, air turbines, dust collectors.

Typical composition (%) - G^{TIP}

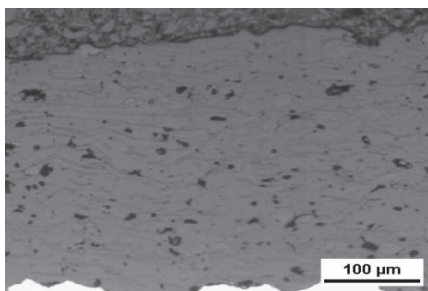
Al ₂ O ₃	95
TiO ₂	3
Other	2

Color code

Skin	Pink
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Packaging

Ø Flexicord	4,75 mm +/- 0,1mm
Spool	Plastic - SD 300mm
Weight	4,8 Kg +/- 10%

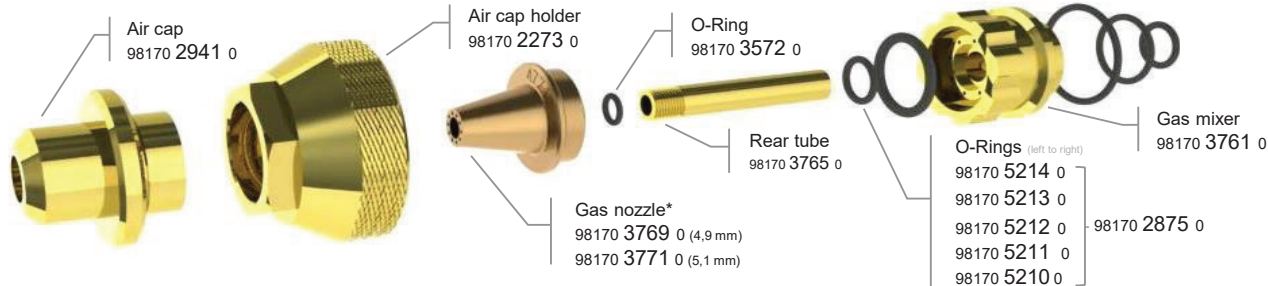


Typical microstructure of Blue Corundum sprayed with our Master Jet® flame spray gun.

Coating features

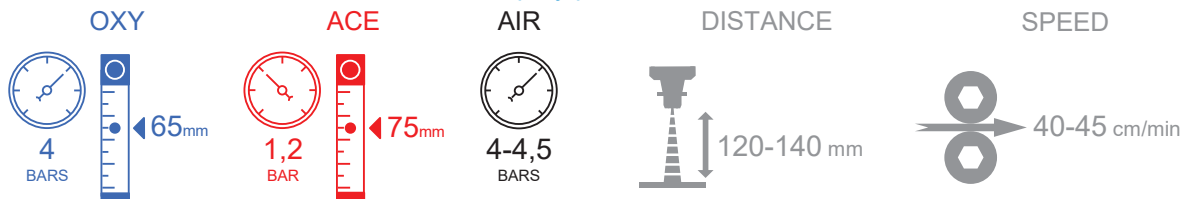
Porosity	6 - 8%
Pore diameter	~5 - 20 µm
Roughness Ra (as sprayed)	5 - 6 µm
Hardness	800 HV ₃₀₀
Density	3,5 g/cm ³
Deposit Efficiency	60%

Gun configuration



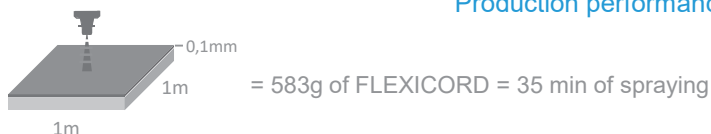
*Use 4,9 mm in dry area – 5,1 mm in wet area

Spray parameters



Master Cleaner required (ref.: 98110 3000 000)

Production performances



SAINT-GOBAIN COATING SOLUTIONS

