

THERMAL SPRAY FLEXICORD

Technical Bulletin



BLACKSORB

Ceramic series – ref : 98210 4647 000

BLACKSORB Flexicord is designed to be sprayed with our MASTER JET® flame spray gun. BLACKSORB Flexicord provides:
Black color, High surface roughness which promotes absorptivity, high solar absorptivity which promotes heat absorption, absorptivity stable on 25 – 900°C and low shrinkage (0,75% between 25 – 900°C).

Applications

BlackSorb ceramic coating for solar absorbers, coating can be easily applied on site.

Typical composition (%) - G^{TIP}

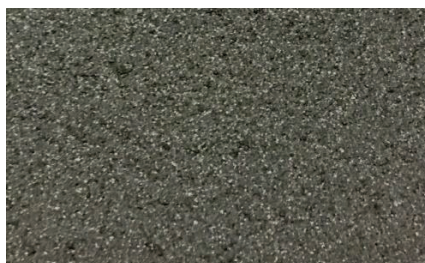
Cr ₂ O ₃	55%
Al ₂ O ₃	21%
SiO ₂	17%
TiO ₂	7%

Color code

Skin	Red
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Packaging

Ø Flexicord	4,75 mm +/- 0,1mm
Spool	Plastic - SD 300mm
Weight	4,7 Kg +/- 10%

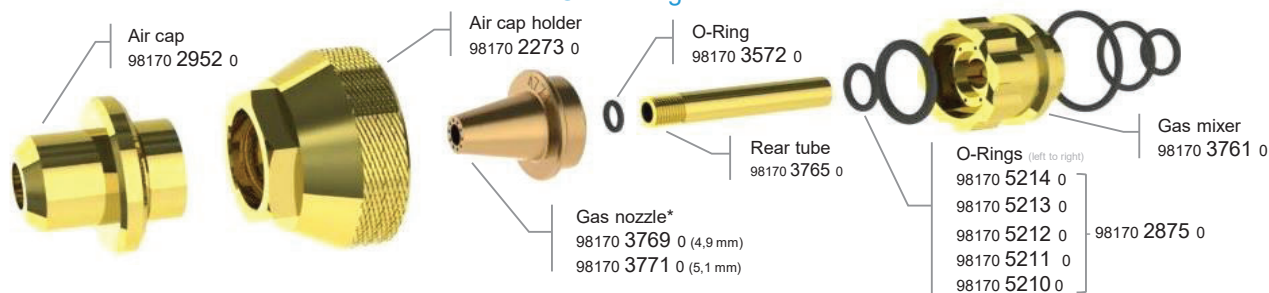


Typical surface of BlackSorb sprayed with our Master Jet® flame spray gun.

Coating features

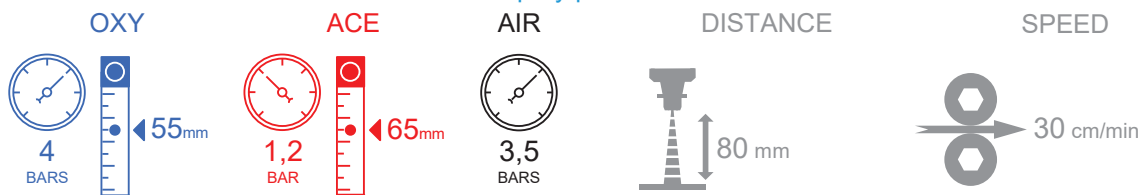
Porosity	~10%
Pore diameter	~5 - 20 µm
Roughness Rz (as sprayed)	56 µm
Deposit Efficiency	60%

Gun configuration

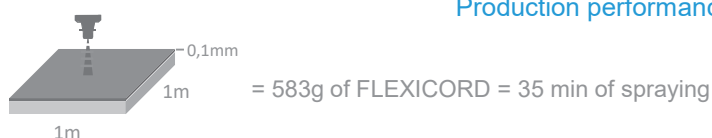


*Use 4,9 mm in dry area – 5,1 mm in wet area

Spray parameters



Production performances



SAINT-GOBAIN COATING SOLUTIONS

