

# THERMAL SPRAY FLEXICORD

## Technical Bulletin

# ROCDUR 6750

RocDur series – ref : 98210 1347 000

ROCDUR 6750 Flexicord is designed to be sprayed with our MASTER JET® flame spray gun. ROCDUR 6750 can be used as sprayed and fused for Abrasion and erosion wear resistant coatings or just as sprayed for non-slip application. Its Roughness Ra is higher than ROCDUR 6740 Roughness Ra.

### Applications

Rolling mill rollers, excavator screws for abrasive materials, friction areas for mixing tools, inner parts of incinerators (tubes, blocks...). Drilling tools. Non-Slip applications (cardboard feeders,...). Post fusion only with acetylene.

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

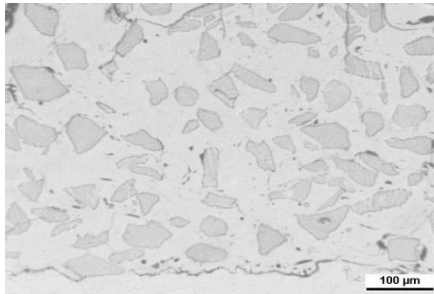
NiCrBSi	50
WC <sub>cast</sub>	50

### Color code

Skin	Red
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### Packaging

Ø Flexicord	4,75 mm +/- 0,1mm
Spool	Plastic - SD 300mm
Weight	12 Kg +/- 10%

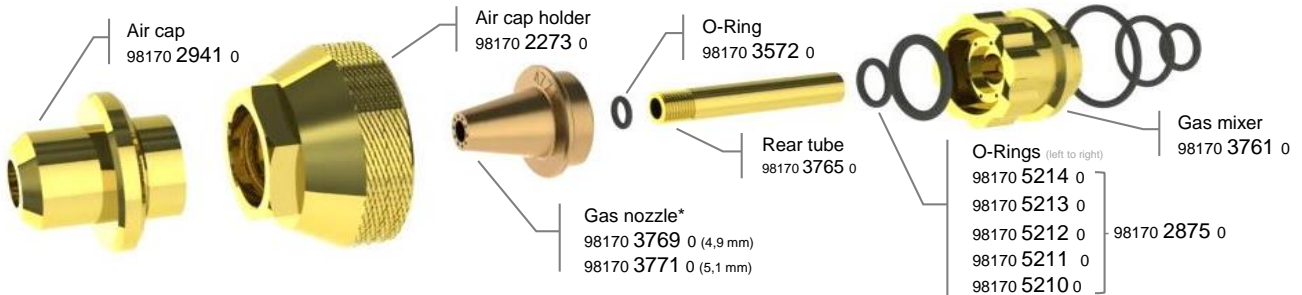


Typical microstructure of RocDur 6750 sprayed with our Master Jet® flame spray gun and fused.

### Coating features

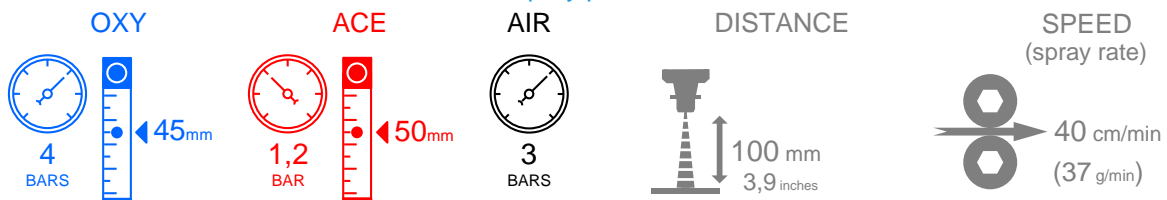
Porosity	< 1% as fused
Pore diameter	< 1 µm as fused
Roughness Ra (as sprayed)	10-12 µm
Typical Hardness (as fused)	Matrix - 60HRC WC - 2000 Hv <sub>300</sub>
Density	12 g/cm <sup>3</sup>
Deposit Efficiency	65%
Melting point	~1060°C (1940°F)

### Gun configuration

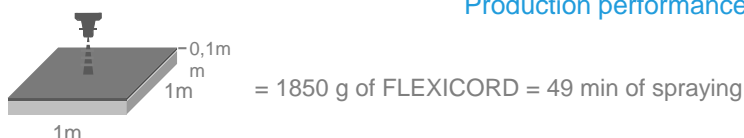


\*Use 4,9 mm in dry area – 5,1 mm in wet area

### Spray parameters



### Production performances



## SAINT-GOBAIN COATING SOLUTIONS

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