SprayLast® 364

Technical Bulletin

Flame Spray SpA

Headquarter
20040 Roncello (Milan) Italy
via Leonardo da Vinci 1

tel +39 039 6957216
fax +39 039 695331

Sales and coating plant
via Leonardo da Vinci 30

www.flamespray.org

Introduction

SprayLast® P364 is a Flame Spray thermal spraying process for ceramic coatings with cold projecting system through plasma jet.
SprayLast® P364 is the result of exhaustive research that has allowed to combine hard coatings, with low porosity and excellent finished surface.
This process is recommended for resistance to wear by abrasive grains, particle erosion and cavitation at temperature below 540 °C.

Nominal Chemical Composition

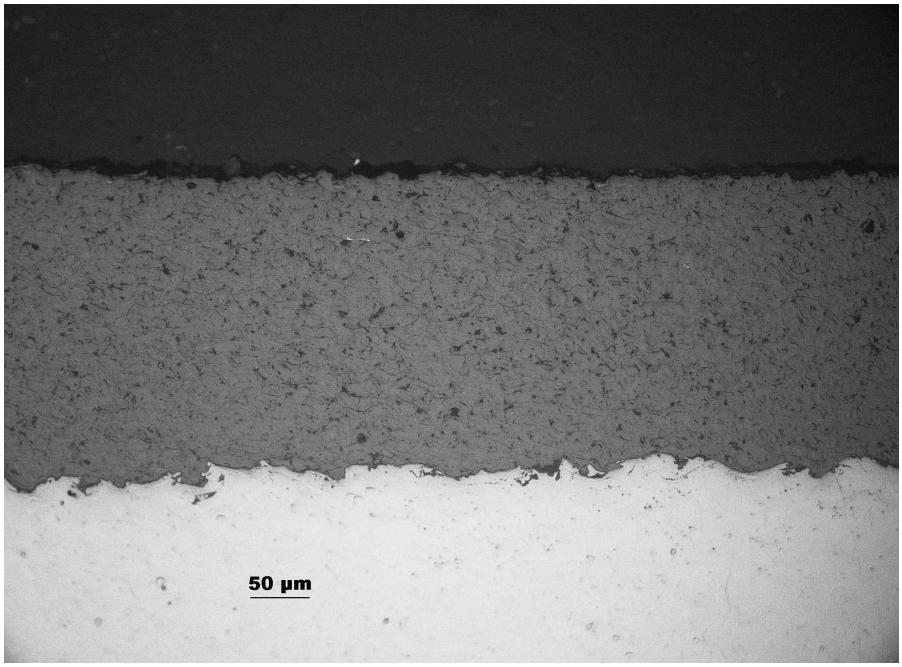
- Cr_2O_3 99.5%

Technological properties

- Excellent wear and abrasion resistance
- Good erosion resistance
- Good corrosion resistance
- Low roughness after finishing

Typical mechanical properties

- Roughness after grinding R_a < 0.4µm
- Micro-hardness (HV_{300}) 1000 ÷1300
- Porosity < 5%
- Tensile strength (ASTM C633) > 20 MPa



Typical microstructure 200x

Application

- Bearing seats
- Printing rolls
- Pump component
- Wear ring- bushing
- Printing cylinder(Water Stretch®96)
- Machine elements in textile

The properties listed are average values based on laboratory tests. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Nothing stated or implied is to be taken as a warranty regarding the use of our product or processes.

(December, 2012)