

TeroCote® 7888 C has an excellent abrasion and corrosion resistance

TeroCote® 7888 C



BRAZING



TeroCote 7888 C is a new version in our TeroCote range :

- new matrix formulation
- improved fusion quality
- better appearance of the deposit





Description

7888 C is a high-performance anti-wear product in the form of a flexible cord, comprising a nickel core wire, covered with an elastic binder containing a mixture of carbides and nickel alloy powder. The latter has a uniquely effective self-fluxing action, which gives 7888 C outstanding wetting properties. As a result, a smooth, even protective coat can be deposited quickly and easily.

7888 C deposits an extremely durable protective coating comprising a dense mass of ultrahard tungsten carbides embedded in a tough nickel-chromium alloy matrix. This structure offers extremely effective protection against erosive and abrasive attack by a wide variety of materials. The matrix composition helps to absorb moderate impact and improves resistance to corrosion, while the angular profile of the finely crystallised carbides makes it very difficult to dislocate them from the matrix.

- Product form: dark grey flexible cord.
- Deposit appearance: smooth, matt metallic-grey

Technical data

PHYSICAL AND MECHANICAL PROPERTIES

Solidus (°C)*	<i>1080</i>
Liquidus (°C)*	<i>1120</i>
Density*	<i>12.4</i>
Macro hardness (HRC)	51
G-65 / EC1 (mm ³)	7.3
Max. Temperature Service (°C)	700
Grainsize (µm)	180 and 600
Length per kg	1 kg ≈ 8 meters (Ø 5.0mm)

* Values in italic have been obtained from literature

Applications

Anti-abrasion protection

7888 C is designed to provide durable protection of large industrial components against wear by erosion and abrasion, for greatly increased service life. It can be applied on a wide range of carbon steels.

Important: 7888 C is not recommended for high-manganese austenitic steels!



Industrial examples

- Oil exploration and extraction: drill bits, stabilisers.
- Brick/cement making: mixer and scraper blades, extrusion press screws.
- Mineral processing: conveyor or decanter screws, pump rotors and sleeves.
- Iron and steel: guides and scraper blades.
- Agriculture: cutting edges on ploughshares.
- Wear parts in cement industry

Diameters and ESC

762155	7888 C - 5.0mm - 16kg spool
762159	7888 C - 6.0mm - 16kg spool
762160	7888 C - 8.0mm - 16kg spool

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