TeroCote 7888 C

Terocote® 7888 C Has An Excellent Abrasion And Corrosion Resistance

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 ft very difficult to dislocate them from the matrix.

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

New matrix formulation

Improved fusion quality

Better appearance of the deposit

Product form: dark grey flexible cord.

Deposit appearance: smooth, matt metallic-grey

APPLICATIONS

Anti-abrasion protection

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

- 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 plough shares. Wear parts in cement...

PROCEDURE FOR USE

DEPOSITION BY OXY/ACETYLENE FLAME:

1. Mechanically clean the area to be coated by grinding or grit blasting.
2. Adjust torch for a neutral to slightly oxidizing flame. Apply a general preheat. 650° - 400°F (204 °-343°C), followed by a concentrated local heating of the area to be coated, 900 - 1000°F (482 - 538°C)
3. Bring the end of the coil into contact with the work piece, at an angle of 35° from the work surface, with the torch nozzle at 60 - 70° pointing in the direction of travel. As the alloy begins to melt, oscillate the torch nozzle from side to side advancing the flame along the alloy, which should be kept in contact with the work surface.Maintain a 3/16" gap between the inner flame coen and the work surface.

TECHNICAL DATA:

Macro hardness :55 HRC

Solidus Temperature1: 1080F (582 C)

Liquidus Temperature2: 1120F (604 C)

Max. Temperature Service: 1290F (700C)

DIAMETER
5.0mm
6.0mm
8.0mm