



MOUROT

HENRY DESJONQUERES INDUSTRIES

REVETOX

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REVETEMENTS CERAMIQUES, DENSES, DURS, ET ANTI-FRICTION



Revêtox is a hard and very smooth surface treatment with exceptional resistance to wear. Its chemical composition allows the coating to resist many aggressive substances.

It is highly resistant to thermal shocks and remains stable in high temperatures. Its non stick qualities are remarkable. The Revêtox is a patented process compatible with

the most stringent environmental standards, such as REACH.



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SPECIAL INDUSTRIES

A Ceramic coating with a low coefficient of friction and exceptionally resistant to wear. The Revêtox coating is extremely hard and adheres extremely well to the base metal with no deformation during treatment.

Revêtox coating is used in a wide range of parts including very complex shapes and dimensions where other hard-face coatings can not be used. The lifespan of the parts is on average 10 times longer than chrome-plated parts and a 100 times longer than parts without treatment.

Among the many applications:

ALL INDUSTRIES

CHEMICAL, PETROCHEMICAL, TEXTILE INDUSTRIES

- Pumps and shafts
- Pump pistons
- Axles, shafts
- Sleeves
- Compressor rods
- Extrusion screws
- Pump pistons
- Rolls
- Disc's
- Yarn guide
- propeller shaft packing gland
- Rods, etc.

AVIATION INDUSTRY

- Sealing rings
- Spacers
- Nuts

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CARACTERISTIQUES

Chemical properties

Revêtox can be immersed in the following solutions without damage:

Sea water

The basics

Most acids

The main solvents

Only low concentrations of hydrochloric and hydrofluoric acid beyond 72 hours of immersion can attack Revêtox

Physical properties

- Thickness: 40 to 50 microns
- Hardness: 1800 to 2000 Vickers (15 gr)
- Porosity: zero on the surface
- Adhesion: 800 kg / cm²
- Compression resistance: 80 hbars
- Flexural strength: 20 to 30 hbar
- Modulus of elasticity: 25.103 hbars
- Electrochemical potential: 800 millivolts
- Resistivity: 10⁵ to 10⁶ Ohm / cm

Thermal properties

- Coefficient of expansion: 7.5 to 22.106 / ° C
- Resistance to thermal shock: 800 ° C (water)
- Maximum operating temperature: 700 ° C

In most cases, the deposit resists the same temperature as the base metal on which it is deposited.

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Revêtox is produced and applied on our Guémené-Penfao site, in Loire Atlantique (44), France

Head office

Z.A. de la Touche

44290 GUEMENE PENFAO(France)

Tél : +33(0)2 40 79 25 06

Fax : +33(0)2 40 51 00 09



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Internet site : www.mourot.com

E-mail : mourot@mourot.com

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R.C.S. Saint Nazaire 718 202 757 – Siret 718 202 757 00032

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