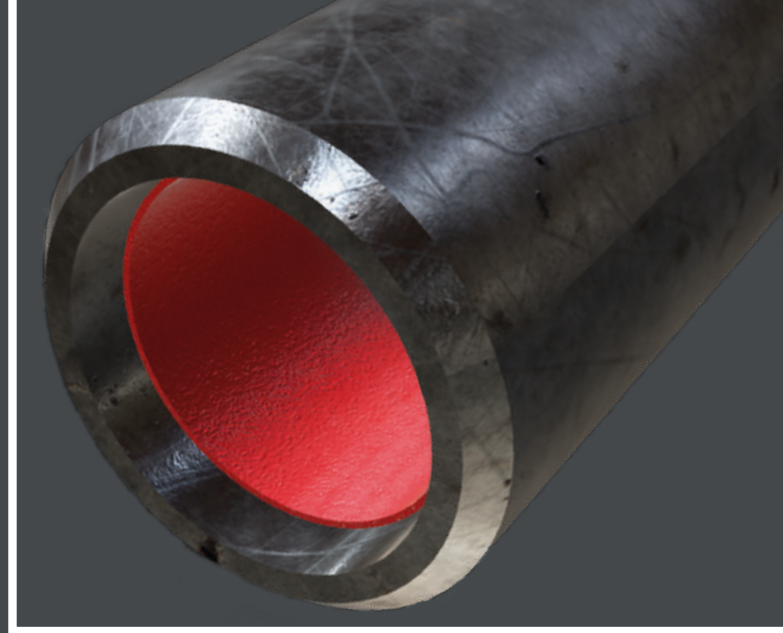




Verniciatura Industriale Pesarese

Coating Services
Solutions against time



LF EPOXY ANTIFRICTION EPOXY

LF-Epoxy lining combines outstanding application characteristics with good corrosion protection and chemical resistance. The film helps pigging and hydrostatic tests on the pipe, it provides a considerable improvement of the gas flow in service, avoiding the carried product to be contaminated by mill scales or scales deriving from chemical-physical degradation of the steel substrate. The considerable long term advantages are referred to pumping costs of the product, and to a long term protection against corrosion. This coating is recommended thanks to its relatively low thickness and to the high performances offered.



Long-lasting corrosion protection

Offers significant long-term advantages in relation to the product's pumping costs, together with long-term protection from corrosion.



Remarkable mechanical protection

- Facilitates pigging operations,
- Facilitates tests on piping,
- Significant increment in the service gas flow.



Other advantages EP coating

Avoids contamination of the transported product caused by lamination slag or compounds deriving from the chemical/physical deterioration of the piping's steel surface.

Application

Internal lining

Applicability - **Limitless amount**

SMALL AND LARGE PIPES

STANDARD FITTINGS

BENDS

FLANGES

CUSTOM PIECES

VALVES

FIELD JOINTS

Inspection & Testing

In our internal laboratory, we perform all the tests and inspections during all the project's phases, carried out with NACE certified staff.

Coating typical properties

Hardness : ≥ 94 Buchholz

Minimum recommended temperature : - 5°C

Maximum recommended temperature: + 210°C

Coating capacity

PIPES

Diameter from 1/2" to 120"

Indefinite maximum unit **length**

Maximum unit **weight** 15,000 kg

JOINTS AND/OR CUSTOM PIECES

(Bends, tees, reducers, flanges, etc.)

Maximum **size** 3.0 x 3.0 x 13.5 meters

Maximum **unit weight** 15,000 kg

Maximum **thickness** of the coating 3,5 mm



ANTIFRICTION EPOXY PRODUCTION PROCESS

ANTIFRICTION EPOXY

Application of bi-component low friction epoxy by spray or using a turbine.

SURFACE PREPARATION

The steel surface is thoroughly cleaned and blasted

SHIPMENT PREPARATION

Final inspection is carried out in our internal laboratory when the goods are fully produced. Then packed and in all respects ready for shipment



GENERAL TESTING

These are merely approximate values adjustable according to clients' requirements.

PROPERTY	TEST DESCRIPTION	TYPICAL VALUES
Resistance to: (cross cut test Grade 0)	UNI-EN 10301	free of defects: water immersion, gas pressure variation, hydraulic blistering, chemical resistance to hydrocarbons
Impact	UNI-EN 10301	9J (ball diameter 12.7mm)
Neutral salt spray	UNI-EN 10301	3mm max of corrosion, no blistering, cracking and staining
Bending	ASTM D522-88	no alteration by 13mm diameter
Bending (angle 180°)	ISO 1519	mandrel 3mm diameter: no peeling after pulling



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