



Verniciatura Industriale Pesarese

Coating Services
Solutions against time

EP W/O SOLVENTS EPOXY WITHOUT SOLVENTS

Epoxy without solvents offered by V.I.P. Verniciatura Industriale Pesarese is a solvent less coating with a high content of solids, applicable without primers. Recommended in industrial sectors, where coating is required in accordance with the requirements foreseen by standards EN 10289 e DIN 30671, guarantees also high chemical, physical resistance and duration over time.

Long-lasting corrosion protection



- Excellent resistance to corrosion in marine and chemically severe environments
- Excellent resistance to corrosion under immersion both in freshwater and saltwater
- Excellent anti-corrosive protection of structures and underground piping
- Excellent resistance to cathode detachment
- Excellent resistance to electric insulation (12,000 volts/mm)

Remarkable mechanical protection

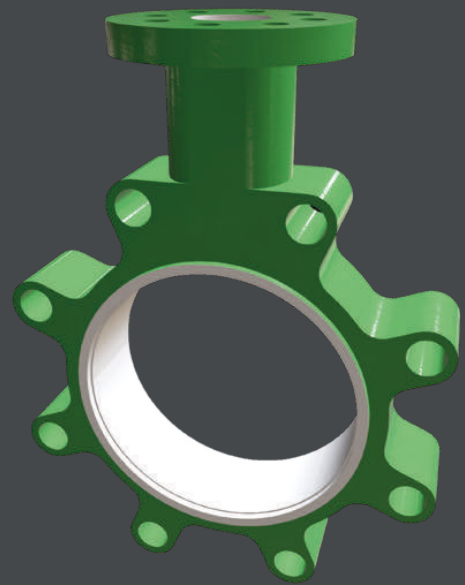


Excellent resistance to blows and abrasions. Guarantees very good mechanic resistance to abrasion and blows during installation, thanks to its characteristic flexibility.

Other advantages EP coating



Epoxy without solvents coating can be applied with a brush using a special version of the product, it is possible to guarantee coating continuity even for very complex items. There are no limits in the quantity of pieces which may be coated, even individual pieces may be treated. Differentiated thicknesses can be applied in accordance with design specifications.



Application

- External coating
- Internal lining
- SMALL AND LARGE PIPES
- STANDARD FITTINGS
- BENDS
- FLANGES
- CUSTOM PIECES
- VALVES
- FIELD JOINTS
- TANK
- WATERWORKS COMPONENTS

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 : Shore D 87-88
 High temperature insulation: DIN 30671-92
 30dy at 70°C; $\geq 10^5 \Omega m^2$ (average $0,7 \cdot 10^8$)
 Comparison test at room temperature:
 100dy at 23°C: passed according to specifics
 not averagable

Coating capacity

PIPES
Diameter from 1/2" to 120"
 Indefinite maximum unit **length**
 Maximum unit **weight** 15,000 kg

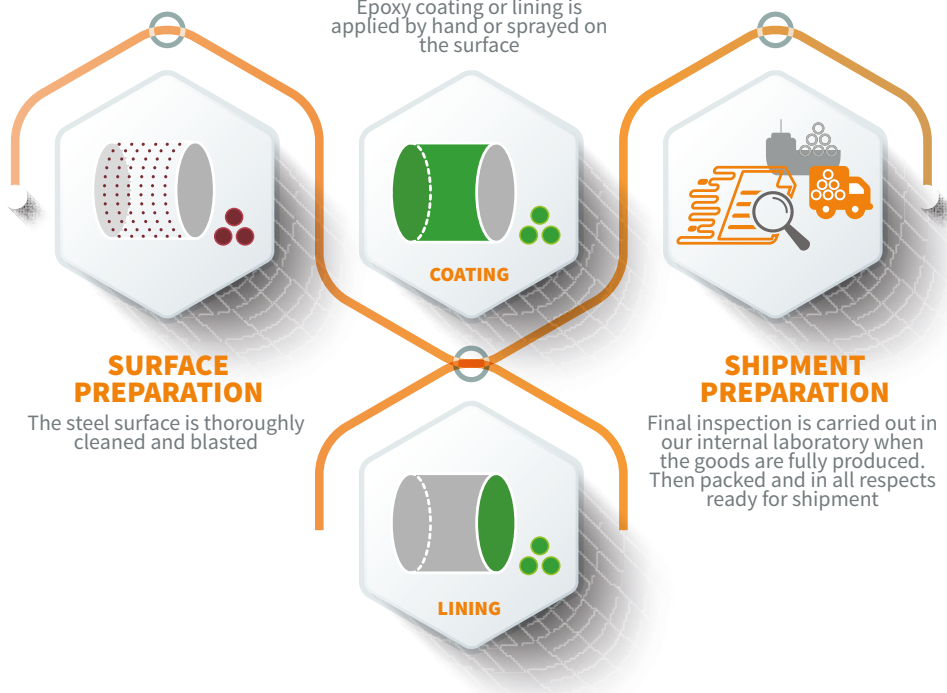
JOINTS AND/OR CUSTOM PIECES
(Bends, tees, reducers, flanges, etc.)
 Maximum **size** 3.0 x 3.0 x 13.5 meters
 Maximum **unit weight** 15,000 kg
 Maximum **thickness** of the coating 3,5 mm



EPOXY W/O SOLVENTS PRODUCTION PROCESS

EPOXY WITHOUT SOLVENTS

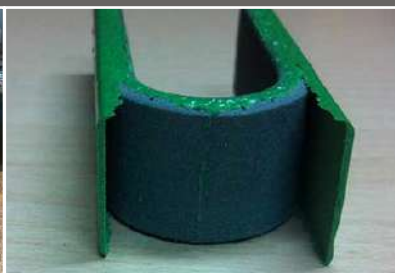
Epoxy coating or lining is applied by hand or sprayed on the surface



GENERAL TESTING

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

PROPERTY	TEST DESCRIPTION	TYPICAL VALUES
Specific electrical insulation	EN 10289	100dy at 23±2°C - 0,8028MΩm ² 30dy at 80±2°C - 1,138KΩm ²
Impact	EN 10289	5J•K•mm +23±2°C (κ=0,85); 3J•K•mm (κ=0,85) at -5±2°C
Cathodic Disbondment	EN 10289	28dy at +23±2°C average radius 1,5mm, max radius 4,24mm 2dy at +60±2°C average radius 2,91mm, max radius 4,85mm
Pull-off	EN 10289	23°C average value 9,75MPa; 80°C average value 3,60MPa
Continuity (Holiday detection)	EN 10289	25KV passed; 8V•µm thickness-max 20KV



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