

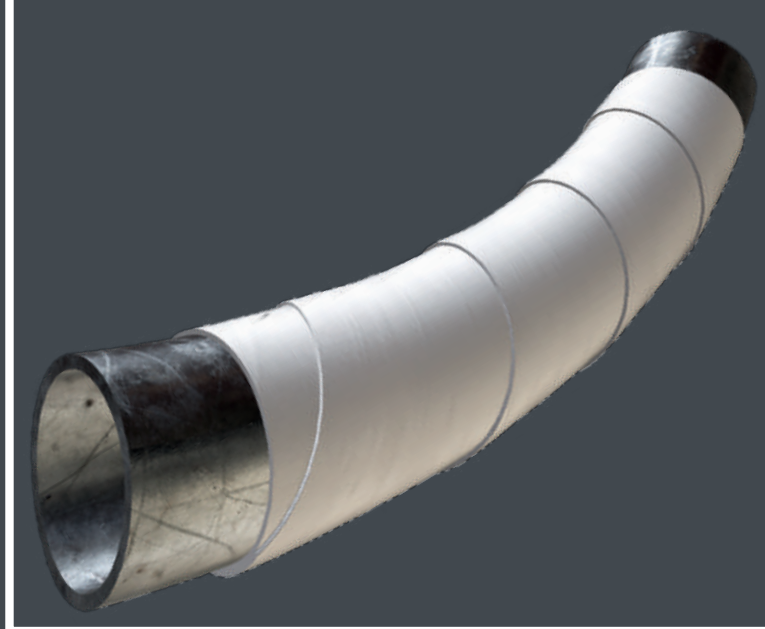


Verniciatura Industriale Pesarese

Coating Services
Solutions against time

TAPE TAPE COATING

Tape coating is a multilayer primarily constituted by a primer to protect the pipe surface from corrosion damage, the outer layer protects the piece from mechanical stresses. The material applied externally is in the form of tapes (spiral or “cigarette” wrapping). Primers, adhesives or fillers can be used in conjunction with these coating to improve adherence or facilitate application. This technique is mainly used for external organic coatings: system of pipes, fittings, valves and joint assemblies, intended for the transport of gaseous, liquid or solid substances; for the corrosion protection of buried or immersed steel pipelines used in conjunction with cathodic protection.



Application

External coating

Applicability - **Limitless amount**

SMALL AND
LARGE PIPES

STANDARD
FITTINGS

BENDS

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.

Mechanical resistance classes:

Coatings are classified, from A to C, according to their mechanical characteristics measured by these tests:

- . impact resistance
- . indentation resistance
- . specific electrical insulation resistance
- . cathodic disbondment resistance
- . peel strength layer to layer
- . peel strength to pipe surface and coating
- . thermal ageing resistance

Coating capacity

PIPES

Diameter from 1/2” to 120”

Maximum unit **length** 13,5 meters

Maximum unit **weight** 15,000 kg

JOINTS AND/OR CUSTOM PIECES

(Bends, fittings, etc.)

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

Maximum **unit weight** 15,000 kg

Types of coating materials



- **Petrolatum tape** (cold applied):
Corrosion protection tape consisting of a synthetic reinforcement coated on both sides with a semi-solid petrolatum compound mouldable at ambient temperature.
- **Bituminous tape** (hot applied):
Corrosion protection tape consisting of glass or synthetic reinforcement coated on both sides with a bituminous compound.
- **Silicone-Epoxy tape** (...applied):
anti-corrosive wrapping products for pipes used under a sever condition of high temperature (till 300°C). Its physical properties show non-sticky and very stable anti-corrosion resistance and water-proof for a long period.

Polymeric Tapes

Corrosion protection tapes, hot or cold applied, consisting of a compound highly adhesive to steel and generally bonded to a flexible polymer film and may contain a synthetic reinforcement. Following some subdivisions:



- **Laminate polymeric tape:**
Corrosion protection tape consisting of a flexible polymer film, coated on both sides with an adhesive compound. This compound could be reinforced with synthetic fibers.
- **Reinforced polymeric tape:**
Corrosion protection tape consisting of a synthetic reinforcement, coated on both sides with an adhesive compound and containing an additional polymer film.
- **Low strength polymeric tape:**
Corrosion protection tape consisting only of an adhesive compound. It may contain a flexible polymer film to avoid overstretching during application.



TAPE PRODUCTION PROCESS

PRIMER APPLICATION

A primer is applied by spray on the surface

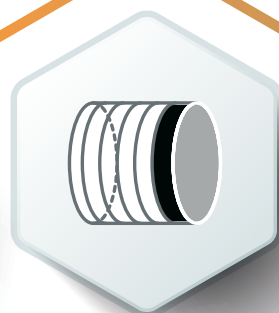
SHIPMENT PREPARATION

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



SURFACE PREPARATION

The steel surface is thoroughly cleaned and blasted



TAPE APPLICATION

Tape is wrapped around the piece to coat, this process can be done by hand or automatically



GENERAL TESTING

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

PROPERTY	TEST DESCRIPTION	TYPICAL VALUES
Operating temperature	EN 12068:1998	from -20°C till 300°C
Insulating resistance	DIN 30672	10 ¹⁷ MΩm ²
Adhesion strength	DIN 30672	>120 Kg/cm ²
Cathodic disbondment resistance	EN 12068:1998	at 23°C: ≤ 20 mm
Indentation resistance pressure	EN 12068:1998	at 23°C: from 0.1 to 10 N/mm ²



Address : Via del Vallo n°46
61122 - Pesaro (PU) - Italy
Phone : +39 0721 20 28 82
Fax : +39 0721 20 34 63

viP Verniciatura Industriale Pesarese
Coating Services
Solutions against time
www.vippesaro.com

E-mail : info@vippesaro.com
Cod. Fisc./Part. IVA : IT 02198710416
R.E.A. : n° 162110
Cap.Soc. : 100.000,00 i.v.