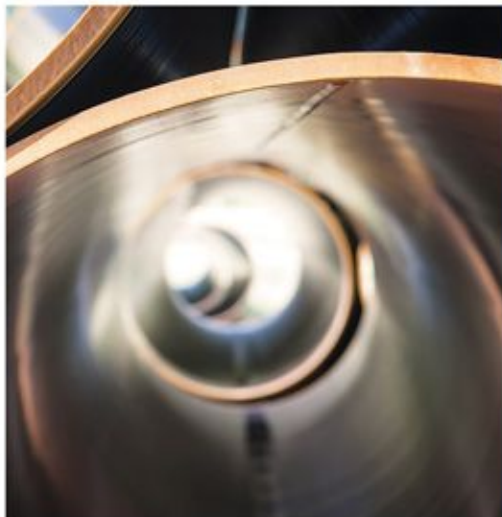


**TRADE
OFFER**





Izostal S.A. is a manufacturer of technologically-advanced internal and external anticorrosive coatings for steel pipes, used mainly for construction of pipeline transportation systems. In order to ensure comprehensive customer service, Izostal S.A. specializes in the delivery of bare steel pipes, coated pipes, and a broad range of induction bends and field bends. The company has at its disposal a wide range of logistic capabilities based on many years of experience in storing and delivering pipes to different parts of the world. Izostal S.A. offers products manufactured in collaboration with reputable European manufacturers.



STEEL PIPES

Our offer involves products manufactured according to the following standards: EN ISO 3183, EN 10208-1,2, EN 10216-1:4, EN 10217-1:5, EN 10210, EN 10219

Seamless pipes S (SMLS)

- Outside diameter: 21.3 - 508.0 mm
- Wall thickness: 2.0 - 25.0 mm

High-frequency electric welded pipe HFW (HFI)

- Outside diameter: 114.3 - 406.4 mm
- Wall thickness: 3.2 - 16.0 mm

Longitudinally submerged arc-welded pipes (SAWL)

- Outside diameter: 406.4 - 1420.0 mm
- Wall thickness: 6.30 - 25.0 mm

Helically submerged arc-welded pipes (SAWH)

- Outside diameter: 323.9 - 1420.0 mm
- Wall thickness: 5.0 - 22.2 mm



STEEL BENDS

Induction bends

Induction bends for gas and oil pipelines of seamless pipes or pipes with longitudinal and helical weld.

» Product features:

- Manufactured according to: EN 14870-1, ISO 15590-1
- Bending radius: 5D-15D
- Diameter range: 114.3 - 1420 mm
- Bending angle: 5° - 180°

Bends with external polyurethane coating according to EN 10290 and internal epoxy coating according to EN 10301 and API RP 5L.

Field bends

Cold formed bends made in the field for gas and oil transport lines

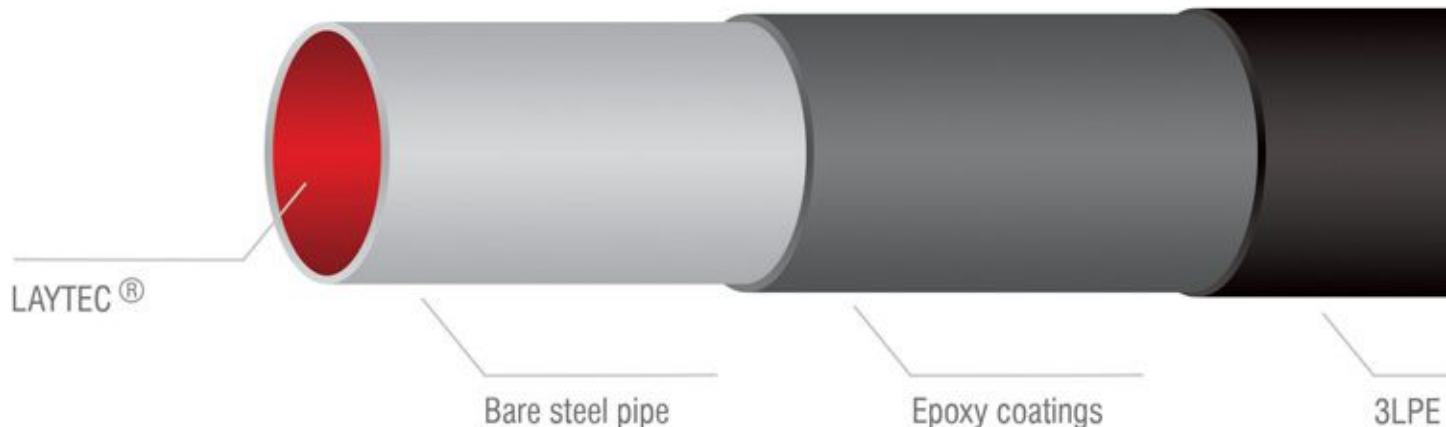
» Typical range*:

- Pipe size: 168,3 - 1067 mm (8 – 42"); WT: up to 50,8 mm (2"); max. grade X100
- Maximum angle: 132°

*) detailed parameters to be agreed upon purchase order



DELIVERY OPTIONS



ANTICORROSIVE COATINGS

EXTERNAL COATINGS

Outside diameter: 21.3 - 1220 mm; pipe lengths 6 - 18 m.

Epoxy coatings (FBE/DFBE)

Manufactured according to: EN ISO 21809-2 and CAN/CSA-Z245.20 or customer's specifications.

Product features:

- » • Coating continuity
- High mechanical resistance

3LPE and 3LPP coatings

Manufactured according to: EN ISO 21809-1, DIN 30670 and DIN 30678 or customer's specifications.

» Three-layer anticorrosive coating consists of:

- Epoxy layer of thickness (min. 60 μm)
- Polyethylene copolymer layer (min. 140 μm)
- Polyethylene or polypropylene layer of thickness from 1.8 to 10 mm (depending on the technology and customer requirements)

» Product features:

- Coating continuity (25 kV)
- Adhesion to steel pipe at a level of up to 500 N/cm
- High UV resistance
- High resistance to impact

INTERNAL COATINGS

LAYTEC®

Outside diameter: 219.1-1220.0 mm; lengths 8 - 18 m. Manufactured according to EN 10301 and API RP 5L2 or customer's specifications.

» Product features:

- Coating continuity
- Significant reduction of surface roughness (from about. 10 μm to 1-2 μm)
- Surface protection



3LPP coatings

Fiberglass (GRP/GFK)

- Promglass (standard)
- Promglass-SuperBond

Special coating

- External cement coating (FZM)



SPECIAL COATINGS

Fiberglass resin composites (GRP coating – Glass Reinforced Polyester)

Fiberglass resin composites GRP offers excellent protection of the anticorrosive coating during directional drilling (HDD, Direct Pipe, Pipe Jacking) at the time of pipeline construction. External diameters range from 114.3 to 1220 mm, pipe lengths from 6 to 18 m. This product meets Domestic Technical Evaluation, DVGW GW 340 and all regular customer specifications for their strategic projects.

Promglass (standard)

The fiberglass resin composite is applied in factory conditions by the winding method, with constant monitoring of environmental, technological and quality parameters.

» Product features:

- Flexibility and high tensile strength (over 100 MPa)
- Shore D hardness (over 65)
- Shearing resistance (over 50 N/cm²)

Promglass-SuperBond

Promglass-SuperBond is a new and innovative solution in the European market.

Promglass-SuperBond composite develops an innovative chemical bond with the anticorrosion coating surface, ensuring adhesion on every square centimeter of surface.

» Promglass-SuperBond ensures:

- All the mechanical properties featured by the standard composites

» Plus:

- Shearing resistance at a level over 100 N/cm²
- Chemical adhesion of the composite to the 3LPE or 3LPP coating surface on the entire pipe of over 100 N/cm²

External cement coating (FZM)

The use of a FZM external cement coating makes it easy to lay pipes in difficult terrain, eliminating the need to use sand bedding during pipeline construction. External diameters range from 114.3 to 1220 mm, pipe lengths from 6 to 14 m. Manufactured according to DVGW GW 340 or customer specification.

» The external cement coating(layer) ensures:

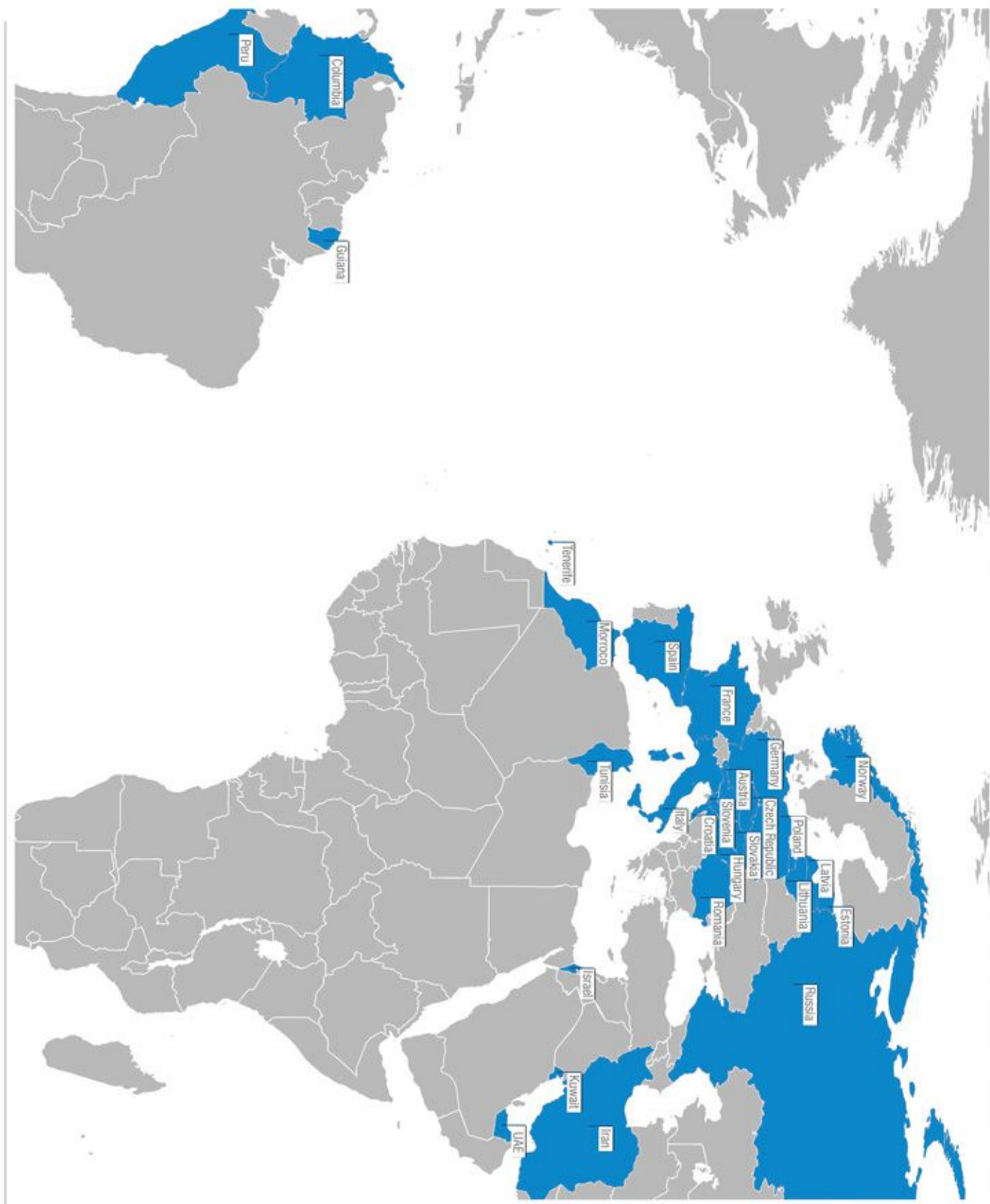
- Mechanical protection of the anticorrosive coating
- Reduction of costs related to sand bedding
- Reduction of costs related to environment protection
- Facilitation of work in mountain or environmentally-protected areas.

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OFFERED PIPES RANGE



EXPORT DIRECTIONS



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