



PROTECTIVE COATINGS

We offer a full range of
insulation applications

Thermal Spray of Fusion Bonded Powders (FBE coating)



- **Client:** TCO - TengizChevroil
- **Contractor:** SICIM
- **Project:** Fusion Bonded Epoxy Coating at FGP project;

DSL Caspian in cooperation with XIOM Energy Services (Scotland) is applying powder coating by patented thermal spray system. Our well designed unique system can apply thermoset, thermoplastic and fusion bonded powders to steel, wood, glass, plastic etc.



The system is ideal for pipeline repairs, pipeline field joints and coating of smaller items.

FBE can be applied in a single layer (generally 300 – 500 microns) or in a double layer, in which the top layer provides extra mechanical strength, a rough surface (to enable easier application of a concrete top coat), or to provide extra resistance against corrosion or soil.

Thermal Spray Aluminum

We use various applications when carrying out TSA works and these are dependent on the clients Specification.

- Shop application of TSA on pipework
- Type of application we use is flame spray, other applications will depend on the QA / QC expectations and which application gives best results for adhesion / pull off tests.
- Depending on the client, full encapsulation of the piece to be TSA'd may be required as the aluminum particles may pose an explosion hazard PIB, Canvas and glass cloths are also offered.



When carrying out TSA works we use a wide range of Metallisation equipment. DSL Caspian can offer the client full technical support via our international renowned approved suppliers.

FBE Coatings

We use **XIOM** dual FBE Coating System for coating welded pipe joints.

Induction heating technologies are frequently used as part of the field joint coating process to raise the temperature of the pipeline surface for coating application.

As part of its commitment to advanced process technologies and high-quality field joint coating solutions, XIOM have at their disposal a comprehensive specialized induction heating generators and coils.





Applications:

- Induction heating equipment is a key element of Xiom strategy to deliver coating plant standard™ fields joint coatings coating to the onshore and offshore pipeline construction. Portable, diesel-powered generators and clamp-style coils are fast, efficient and give uniform heating to the field joint coating area

Process Control:

- The heating process can be controlled by varying the output power of the generator, heating time and clamp coil design to produce a uniform, heating profile across the surface of the field joint.

High Productivity:

- Induction heating equipment can result in higher coating productivity due to quicker heating cycles and consistent performance, joint to joint.



Contact Us

Atyrau

Abay 12 A, Bakhyt business centre,
3rd floor.
Phone: +7-7122-76-37-47

Aktau

Mcr. 29 «a», Business centre Nur Plaza,
office 53
Phone: +7-7292-20-11-43