

TUBING, CASING, AND LINE PIPES OF STEEL WITH INTERNAL CORROSION-RESISTANT COATING TU 24.20.13-027-67740692-2018 (TU 1390-007-67740692-2017, TU 1320-002-67740692-2013, TU 24.20.13-116-78682242-2022, TU 24.20.13-117-78682242-2023, TU 24.20.12-123-78682242-2023)



Purpose of coating

Protects the inside surface of tubing, casing, and couplings thereto as well as line pipes against corrosion.

Field of application

Coated tubings are intended to be used in injection and production wells operating in flowing mode or equipped with electric centrifugal pumps, as well as in wells of the FPM system (formation pressure maintenance system).

Coated casing pipes—for lining oil and gas wells with an extended service life.

Coated line pipes—for construction, revamping, and repair of industrial and process oil and gas pipelines, water pipelines.

Types of internal coating depending on operating conditions:

- standard 176;
- thermo 248;
- thermo 302 and more (maximum t 176, 248, 302 °F).

Range of coated pipes

- Tubing from 2.36 to 4.49 in.;
- Casing from 4.49 to 13.39 in.;
- Linear from 2.36 to 20.87 in.

Coating design

- single-layer based on highly viscous materials;
- two-layer powder-based materials.



Coating properties

- resistant to oil, fuels, industrial and waste water;
- resistant to the damaging effects of stray currents.
- high degree of coatings adherence to the steel surface (adhesion).
- high mechanical strength.

Advantages

- Products are certified for compliance with GOST R.
- The management system is certified to compliance with GOST R ISO 9001-2015.
- 100% incoming inspection of steel products is ensured, including the inspection of steel pipe and coating materials.
- Qualified specialists at all stages of manufacturing and inspection.
- Availability of in-house certified and accredited unified quality laboratory.
- Selection of coating materials, pipe steel grades depending on the pipeline operating conditions.

Technical features

Property values	Regulatory data
Coating color	as per the material reference documentation
Thickness, in., not less	0.014
Dielectric continuity of the coating	no breakdown at 5 V voltage per coating thickness
Adhesion of coating to steel by X-notch method, point, NOV	1
Adhesion of coating to steel by pull-off method, ksi, not less	1.45