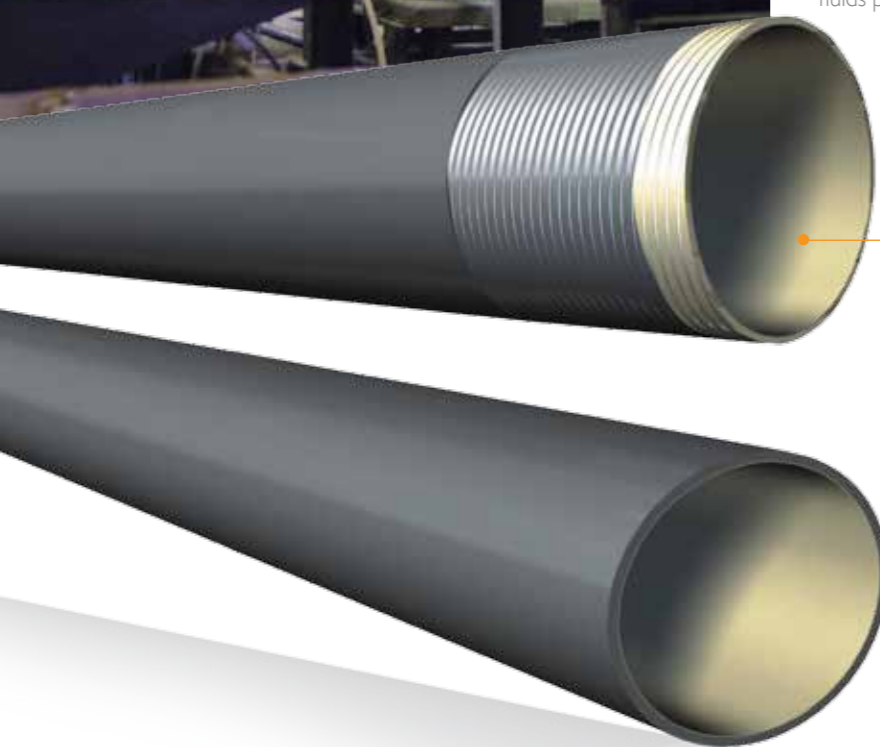




# Tubekote®

(Under Tuboscope® license)  
Internal liquid or powder coating for O.C.T.G. and line pipes.

Internal coating applied in liquid form or in powder form on steel pipes used for the production and transportation of oil, gas, water, industrial and corrosive fluids, etc. It is especially used in production and conduction pipelines and drilling tools (drilling pipes, sucker rods, packers, pumps, tubing, casing, etc.) installed in oil fields likely to cause corrosion problems and paraffin deposit, as well as in special connections for the protection of welded joints. Given its properties, apart from inner anti-corrosive protection, it improves fluids process and transportation hydraulic conditions.



## PRODUCTION PROCESS

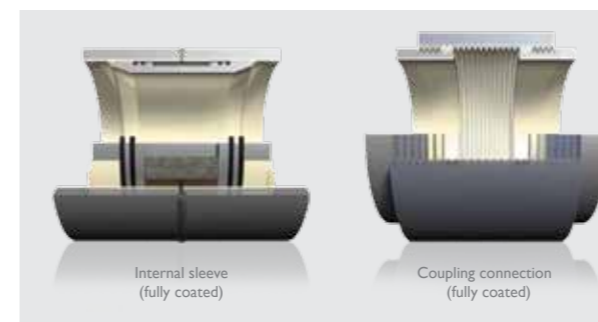
After contaminants have been removed, the pipe surface is blasted to be later coated using the following alternative materials:

- A. Liquid paints, which reach thicknesses of up to 300 µm and involve:
- epoxy primer application (should it be necessary),
  - heating,
  - liquid epoxy application by spray nozzle and
  - curing.

B. Powder paints which reach thicknesses of up to 600 µm and involve:

- epoxy primer application,
- heating,
- epoxy powder application by using spray guns and
- curing.

In both cases, once the pipes have been cooled down, they are subject to a porosity control to check that they are 100% defect free.



## Tubekote® connection systems.

### SERVICES

- Internal anti-corrosion protection of pipelines and steel tools.
- Hydraulic conditions improvement of tubings, casings, pipelines for production and transportation of oil and other products.
- Formulation regarding different temperatures and fluid characteristics.

## Application processes



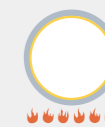
Preheating



Internal cleaning



Primer application



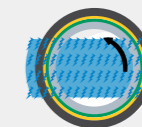
Heating



Coating



Curing



Holiday detection