

Multi-Functional Linings for Downstream Oil & Gas

by International Paint are optimized to reduce downtime and risk while maximizing performance

Hydrocarbon Tank Base Lining

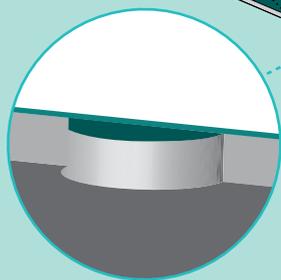
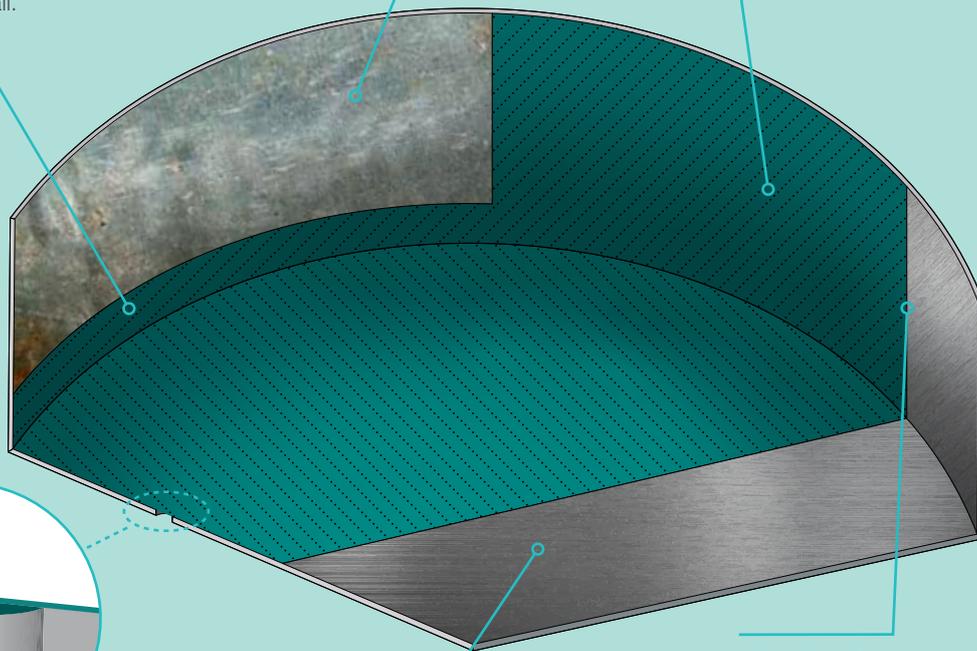
In Hydrocarbon storage there is a high likelihood of water contamination, this water gathers underneath the hydrocarbon cargo and can cause accelerated corrosion of the tank, requiring the lining of the base and 1 meter up the wall.

Steel Tank Construction

Hydrocarbon storage tanks are commonly made from carbon steel as it is readily available in most areas of the world and has the properties of being easy to form and construct into a large storage tank.

Sensitive Cargos

Jet fuel tanks are lined to protect the jet fuel, rather than to protect the tank from corrosion requiring them to be completely lined. Complete internal lining creates a much more complex project.



Hole Bridging

Fiber reinforced linings have the ability to bridge over holes in the tank base caused by underside corrosion. Enviroline single coat reinforced linings can bridge holes up to 2 inches in diameter. Interline reinforced linings can bridge holes up to 8 inches in diameter.

Surface Preparation

For linings to perform as intended they need to have a chemical and mechanical bond to the substrate, which requires the steel to be clean, reactive and rough, often achieved through abrasive blasting.

Single Coat vs Multi Coat

Thick film systems tend to be high volume solids and therefore can be applied in a single thick coat without the risk of solvent entrapment. Multi-Coat systems have the advantage of reduced instances of lining pinholing during application.