



TankTechnic™ DOPA® Lining



Protecting and Extending Tank Life

Storage tanks are an essential asset for many businesses, containing fuel and other chemicals, which help keep organisations operational. With often corrosive, harmful and volatile substances inside, tanks can degrade over time, losing intrinsic worth and causing pollution, resulting in costly replacements and potential fines.

DOPA® – Double Skinned Transformation

Adler & Allan's TankTechic™ DOPA single to double wall tank transformation system has been designed for non-pressurised tanks that store potentially hazardous liquids, such as automotive fuels or chemicals. Including 24/7 remote leak detection monitoring, to prevent contamination, tampering and pollution, DOPA linings will extend tank life and preserving asset value – ideal for tanks in need of repair, or those coming out of warranty.

The DOPA automated leak detection system sounds an alarm when a wall is compromised, the device is tampered with or shut down. This technology has been used by major oil and gas companies for over 30 years, transforming more than 17,000 tanks.

DOPA is made using ADISA lining, which comprises of Epoflex resins; robust and flexible epoxy products that ensure ADISA is considered one of Europe's leading tank lining systems, protecting the environment for over 30 years. Epoflex resins are resistant to 100% ethanol and ethanol-based fuels and biodiesels, as well as many other chemicals.



Future Proof

Low viscosity, fast hardening with excellent chemical resistance makes Adler & Allan TankTechic™ DOPA lining well-suited to fuel storage tanks, irrespective of the ethanol content, which can be particularly high in biofuels. With 100% resistance to this potentially damaging component, the linings are future-proof and will stand the test of time and stresses of 'future fuels'. DOPA linings come with a 10 year warranty, and the option to extend this.

DOPA Applications

DOPA transforms either the inner surface, or can be used to create a second floor on a flat bottomed tank. Once lined, DOPA brings tanks up to the highest standards of environmental safety (EN 13160 class 1) and provides continuous remote, 24/7 monitoring of the interstitial space, with an intelligent and automated leak detector.

Offering increased levels of protection, DOPA is ideal for tanks located in high risk environments, such as next to rivers, helping companies meet 14001's continual environmental improvements, minimising the risk of fines and demonstrating an organisations commitment to preventing pollution.



Safe and Secure

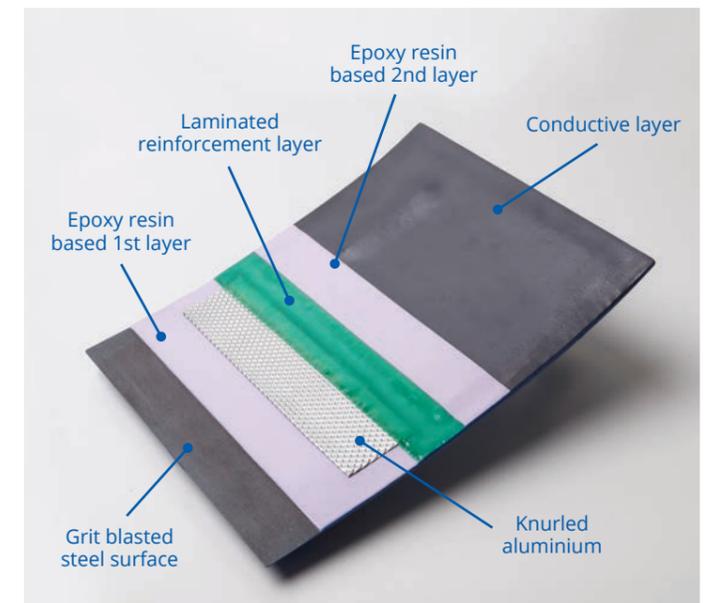
The interstice of a transformed double wall tank, has a tight inner and outer lining, so can be monitored at static under pressure conditions without requiring the installation of a pump. The leak detection system includes decentralised devices installed in the tank chamber of each tank (Collector Kit or Kit Visual DEP) and central WSDC cabinet, which allows up to eight pressure lines to be monitored separately.

Maintenance for the central WSDC cabinet can be done without entry into the tank chamber (ATEX classified zone). Therefore, it not only offers considerable operational safety, but leads to a reduction in maintenance time and costs.

Information can be monitored from the interstice via:

- Vacuum tubes connecting the tank chamber to the WSDC cabinet
- Cables connecting the WSDC cabinet to the control unit
- Wireless data transmission (SEFI 6) from the tank chamber to the control unit
- A cable from a Collector Kit mounted in the tank chamber to the control unit

The control unit analyses the data and generates an audible and visual alarm. The unit also detects anomalies without the need for on-site staff, recording reports or variations and is able to monitor any other safety control sensor present on the system; for example sensors for the water treatment plant. Monthly reports and online access is available in combination with a service agreement.



DOPA Benefits:

- Continuous remote monitoring, 24/7
- Total resistance to bioethanol (E100), biodiesel (B100) and a wide range of chemicals
- Higher job safety for operators – no need to enter the tank chamber
- WSDC centralised control of tanks
- Extension of tank lifetime, increasing the value of the asset
- No system shutdown necessary
- No excavations for removal
- Prevents pollution and protects against contamination
- Approved by Air Forces as resistant to aviation fuels corresponding to MIL-PRF-4556F
- TUV and DiBt approved for use in above ground tanks and compliance with technical standards and applicable regulations, such as EN 13160
- ATEX rated explosion proof

National Coverage



With highly trained teams, specialist equipment and vehicles, and a nationwide network of depots, the Adler & Allan Group has grown to become one of the UK's leading emergency response service providers and oil and environmental services specialists.

- Waste Facility
- A&A Service Centre
- Alliance Partner



24/7 EMERGENCY RESPONSE
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