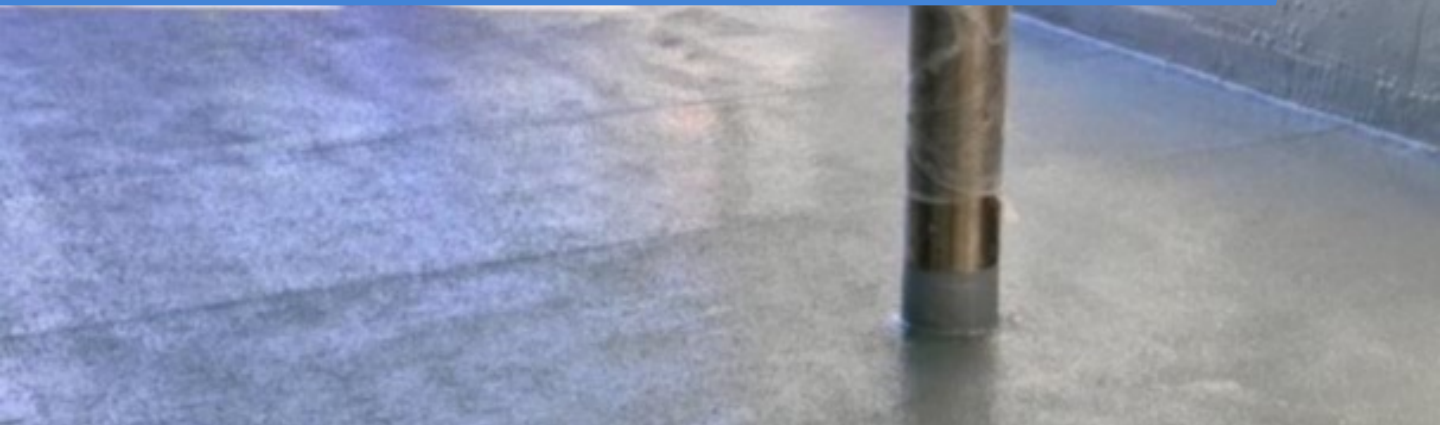


## VINYL ESTER LINING

*Strandek<sup>®</sup> installation of a fibreglass-based vinyl ester secondary containment lining for the containment of sodium hydroxide and nitric acid.*

# Vinyl Ester Secondary Containment Lining



## Summary of Work

A new vinyl ester secondary containment lining was installed by Strandek® in Devon. This lining system was designed to protect minimise and help control the leaks and spillages of nitric acid and sodium hydroxide in AST (above ground storage tanks). The design comprised a concrete base to which a primer was applied, followed by a layer of chopped strand matting in chemically resistant vinyl ester resin protected by a veil. Materials were sourced from a best-in-class chemicals manufacturer.

See more: <https://www.strandek.co.uk/services/industrial-lining-coating/vinyl-ester-bund-lining-services/>

## Benefits



### Rapid Cure

Partial cures achieved within 1 hour



### Chemical Resistance

Vinyl ester linings offer excellent chemical resistance



### Professional Installation

Strandek® have a professionally trained, industrially accredited workforce with decades of experience



### Strong Adhesion

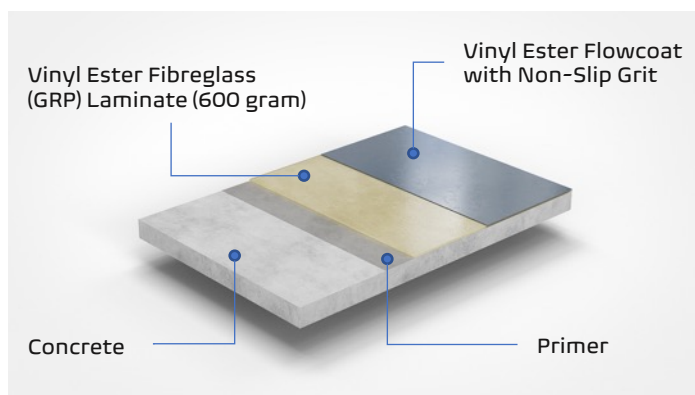
Vinyl ester bonds very strongly to concrete making it almost impervious to leaks



### Mechanical Strength

High strength-to-weight ratio relative to other roofing systems and can tolerate moderate foot traffic.

## System Design



MATERIALS		SPECIFICATION
PRIMER		0.5 kg/m <sup>2</sup>
FIBREGLASS LAMINATE	VINYL ESTER RESIN + 600g EMULSION-BOUND GLASS FIBRE MATTING	1.5 – 1.7 kg/m <sup>2</sup> 1 x 600 gram CSM
	CHEMICALLY RESISTANT VEIL	1 x 30 gram CSM
VINYL ESTER FLOWCOAT WITH NON-SLIP GRIT		0.5 kg/m <sup>2</sup>

# Vinyl Ester Secondary Containment Lining



**1/4** Concrete base, uncoated, permeable and porous. This was dried out to remove moisture and excess dust and debris removed.



**2/4** A primer was applied to the concrete (in the instance the perimeter drainage systems) to maximise laminate bonding in Step 3.



**3/4** A vinyl ester-based resin system was installed onto the primer-coated concrete. A veil was applied on top of the laminate for added reinforcement and chemical resistance.



**4/4** A grey, chemically resistant vinyl ester resin topcoat (flowcoat) was then applied with a non-slip finish to the laminate to complete the installation.

# Vinyl Ester Secondary Containment Lining

Upon completion this fibreglass-based vinyl ester lining system was allowed to cure for 24 hours before being deemed fit for use. With a non-slip finish, it can accommodate foot traffic when wet as well as harsh chemicals like nitric acid and sodium hydroxide.

See more about Built GRP Fibreglass:

<https://www.strandek.co.uk/services/industrial-lining-coating/vinyl-ester-bundling-services/>

## Performance

*"We've been installing chemically resistant linings for secondary containment systems since 1976. Working with leading manufacturers, we offer best-in-class systems and are approved installers. These systems – combined with our expertise – help our customers meet HSE regulations relating to the storage of hazardous chemicals."*

Steve Bowen  
Managing Director  
Strandek GRP Systems



## About Strandek

Established in 1976, Strandek specialise in a range of linings and coatings to provide waterproofing and chemical resistance. Working with a range of customers, they offer exceptional performance and a high-quality of workmanship.

### Our Accreditations



## Want to see more?

Search for 'Strandek GRP Systems' on



## Contact us

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