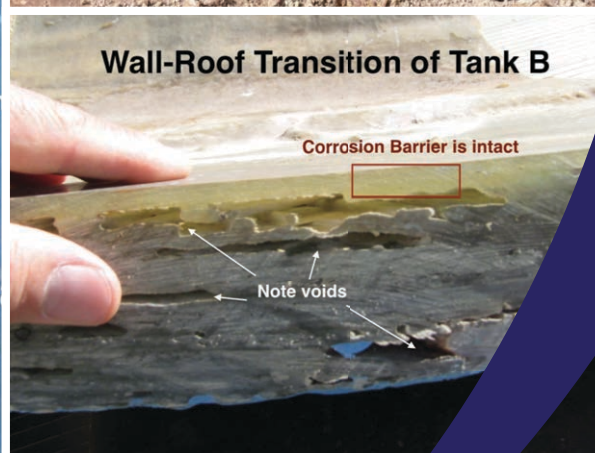


Composite Inspection and Testing



WE KNOW POLYMERS - WE KNOW TESTING

Tank Inspection and Condition Assessment

Composite storage tanks and filament-wound pressure vessels are commonly used at mine sites oil and gas plants, power stations, and chemical processing plants.

They will often contain:

- Hazardous chemicals such as acids, hydrocarbons (petrol, diesel, kerosene, oil) for which loss of containment and leakage means significant environmental damage.
 - Process critical fluids which if lost or contaminated (by water, soil, dirt) can potentially threaten site production Therefore the consequences of tank failure are critical since it results in loss of containment potentially allowing hundreds of thousands of litres of dangerous fluids into the environment and the surrounding area.
- ExcelPlas using its knowledge of composite testing can provide tank integrity management to control the above risks.

We provide:

- Tank inspection using NDT to determine risk profile
- Designing and implementing Tank Inspection and test plans
- Condition assessment using a combination of Barcol hardness, DSC Degree of Cure, digital microscopy, dye penetration and NDT Assessment of the remaining life of the tank.
- Investigation to determine the cause of any failures or defects found

We offer:

- Failure Analysis of Filament-Wound Composite Pressure Vessels
- Condition Assessment of Filament-Wound Composite Pressure Vessels
- Testing of Fibre-reinforced plastics (FRP) and GRP Pipes
- Analysis of Corrosion Barrier on Composite Vessels
- Analysis of Vinyl Ester Resins
- Analysis and Testing of Composite Structural Laminates
- Analysis of Composite Flowcoats
- Dye Penetration Testing of FRP Composites
- Burn Off and Fibre Orientations
- Resin to Glass Fibre Ratios



Test Standards:

AS 2634:1983 - Chemical plant equipment made from glass-fibre reinforced plastics (GRP) based on thermosetting resins

BS 4994:1987 - Specification for design and construction of vessels and tanks in reinforced plastics

ASME RTP-1 – Reinforced Thermoset Plastic Corrosion-Resistant Equipment

AS 1546:1983 - Underground Tank Design

ExcelPlas leads the way with digital communication with news blasts and news feeds in the industries and sectors in which it operates. eNewsletters and eAlerts are sent to its key customers weekly to be 'front of mind' for testing and analysis needs.

PRODUCT TESTING WEBSITES

<http://www.excelplas.com/>
<http://www.polymertesting.com.au/>
<http://www.polypipetesting.com.au/>
<http://www.uvtesting.com.au/>
<https://www.claddingtest.com/>
<https://www.miniredgers.com.au/>

DIGITAL MARKETING WEBSITES

<https://www.geosyntheticnews.com.au/>
<https://www.polypipenews.com.au/>
<https://www.claddingtest.com/news/>
<https://www.cablenewsaustralia.com.au/>
<https://www.tailingsnews.com.au/>
<http://www.masterbatchnews.com.au/>

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