



Case Study: CrossFilm™ Secondary Containment Liner

THE SAFEST SECONDARY CONTAINMENT LINER FOR LIFETIME CONTAINMENT

Industry: Secondary Containment

Application:

A refinery in Canada requires a secondary containment liner for a petroleum storage tank.

Problem:

Company required a long-lasting secondary containment liner that is able to withstand a temperature of 302°F (150°C), which is the storage temperature of the oil. The liner would go under a large tank and it would be covered by a layer of sand. In order to maintain barrier properties, the liner must not be susceptible to corrosion. Most, if not all, secondary containment liners on the market feasible for this application are susceptible to corrosion.

Solution:

CrossFilm™ Industrial Product a 100% PTFE laminate.

Implementation:

With an upper temperature limit of 600°F (316°C), TCI's innovative CrossFilm™ was the only product able to meet the temperature requirements for this secondary containment liner. Over 2,500 square yards of material were fabricated to size, providing a lifetime containment solution since it is an all-PTFE material. Crossfilm material guarantees chemical compatibility since PTFE is considered an inert material in industrial applications.

The excellent tear and puncture resistance of the Crossfilm material allows it to survive the challenging mechanical requirements for a large secondary containment liner installation. It also is easy to repair to an original state if it is damaged during installation.

- **Guaranteed corrosion and contamination free**
- **100% PTFE**
- **Temperature range of -100°F to 600°F (-73°C to 316°C)**
- **Compatible with all chemicals**
- **Unaffected by UV**
- **Unaffected by moisture**
- **Unlimited shelf life**
- **Non-flammable**
- **Heat-sealable**
- **Nonporous even after severe flexing**



Fabrication of a large scale TCI CrossFilm™ secondary containment liner.

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