

GROUNDGUARD installs quickly, provides long-term, seamless pond lining solution

GROUNDGUARD maintains impermeability and puncture resistance under heavy vehicle traffic and exposure to weather extremes, resulting in long life with minimal maintenance.

Western United States

The challenge

The client was excavating two freshwater ponds and needed liners that would prevent leaks and seepage and prove to be a long-term, maintenance-free solution.

The solution

The client originally considered an HDPE liner but decided to proceed with the GROUNDGUARD liner because it would provide the long-term, maintenance-free solution desired.

The GROUNDGUARD liner was placed directly on the excavated soil by the installation contractor, SilverBack Industries. Operational challenges during installation included high winds and rain common to the region.

The liner used was GROUNDGUARD 60 mil coating on 2x2 woven geotextile backing in 70' rolls. Installation of the liner in the first pond, with approximately four surface acres, was completed in nine working days. The second pond, approximately ten surface acres, was accomplished in 13 working days. The liner installations were completed by a crew of 4-6 workers with one spray rig to seal the liner edges together.

The results

Following the installation of the liner, the pond area was backfilled with 12 inches of soil. The durability of the GROUNDGUARD liner enabled the client to operate heavy equipment on top of the liner, which helped expedite the backfill process. Since GROUNDGUARD liner requires no curing time or additional work, backfilling began immediately following the installation of the liner. This ultimately enabled the client to begin filling the pond with water sooner than expected.

Project Details

Client: Private Ranch

Contractor: SilverBack Industries

Location: Western United States

Application: Ponds

Product: GROUNDGUARD



As soon as the excavation was completed, the contractor installed the GROUNDGUARD liner.



The puncture-resistant GROUNDGUARD liner was laid on the soil, with no surface preparation or underlayment required.



The ponds were backfilled with soil by heavy equipment operating directly on the surface of the durable GROUNDGUARD liner.

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