

OXYSAC™

SPECIALTY MATERIALS



Floods are among the most common and widespread natural disasters. Current climate change trends and observations suggest that both the frequency and severity of extreme events like floods are expected to rise in the coming years.

OXYSAC is a lightweight, hydrophilic polymer sack engineered to rapidly absorb and retain large volumes of water, making it a clean, reusable alternative to traditional sandbags. Compact when dry and heavy-duty when activated, OXYSAC is ideal for flood control, spill response, and emergency preparedness.



OVERVIEW

How does it **work**?

The absorbing properties come from the super absorbing polymer that transforms into a gel and grows in volume as more water is absorbed. Hydrophilic polymer sacks swell upon water

contact, creating a strong, sandbag-like barrier that is lightweight and easy to deploy before use, and highly effective when saturated.

Main **features**

- Lightweight for fast deployment.
- Safe, non-toxic and odorless.
- Low-cost preventative measure to avoid major damage and financial loss for homes and businesses.
- Packaged in a moisture-proof vacuum bag to ensure a long shelf life.
- Functional solution that saves the hassle of filling and transporting heavy sandbags.
- Reusable once dried (when in contact with non-contaminated water).

APPLICATIONS

Residential Flood Defense: Around doors, garages, and basements to stop water intrusion during heavy rain or floods.

Commercial & Retail Properties: Used to protect storefronts, warehouses, and underground parking entrances from rising water levels.

Municipal Infrastructure Protection: Deployed around manholes, storm drains, and utility stations to prevent overflow and water damage.

Construction Sites: Temporary flood barriers for excavations, trenches, or equipment storage areas in flood-prone zones.

Emergency Response & Disaster Relief: Rapid deployment in flood-prone regions by first responders to quickly contain and divert water.

Transportation Hubs: Used at airports, train stations, and subways to block entrances and tunnels from flooding.



FORMULATING THE RIGHT MIX.

Since 1976, the Protech Group has been developing and manufacturing coatings, paints, and specialty materials. Through quality and innovation, we formulate the right mix to protect and enhance what matters most to our customers. Protech Group products are manufactured in more than 20 sites worldwide. We serve our customers in countless markets and industries, including construction, infrastructure, transportation, consumer goods, and healthcare.



info@theprotechgroup.com
www.theprotechgroup.com
1-800-361-9364



This document contains general information only and should not be construed as creating any warranties, expressed or implied.
© 2025 Protech Chemicals Inc. All rights reserved.