

TOLL FREE 888.820.3455

GEOFILL
CEMATRIX Group

Extremely Pumpable

Underwater Placement

Application Case Study

Geofill LD Marine cellular (foam) concrete is specifically formulated for use in underwater applications. It offers significant advantages when used for underwater placement where conditions require lightweight, low permeability solutions, that remain cohesive when placed or pumped into a submerged environment.

Geofill cellular concrete can be placed underwater to encapsulate and protect timber piles that make up a structure of a pier or dock that are under attack by Shipworms, Marine Borers or other organisms.



Geofill LD Marine

Protection of Existing Timber Piles
Piers 88 & 90
Manhattan, NY

Geofill LD Marine is placed underwater to encapsulate and protect timber piles that were under attack by Shipworms, Marine Borers and other organisms. This method of repair/protection is a preferred choice

For structures adjacent to waterways, subsidence and washouts (structural issues) can occur due to erosion. Affected areas may include roads, parking lots, retaining walls and sheet piling. Geofill LD Marine can be placed underwater or in wet conditions to fill voids.

[View Gallery](#)



Geofill LD Marine offers several advantages, especially underwater:

- Lightweight, but heavier than water
- Low permeability
- Displaces water effectively
- Will fill small or hard to reach voids
- Extremely flowable and pumpable

Both the density and strength of Geofill LD Marine can be adjusted to meet the specific needs of projects. We offer mix design support and production planning to successfully complete your project.

to either replacement or wrapping of individual piles. Due to the weakness of the river bottom soils, it is important to keep the protective backfill material close to the weight of water. The material should also be flowable to insure complete encapsulation of the timber piles. Geofill LD Marine protects the piles from further attack by isolating the timber piles from the brackish water and organisms that is causing the deterioration.

CONTACT US

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