

# Seawall Rehabilitation System

Rebuild | Restore | Preserve | Protect

**COASTAL ENVIRONMENTS ARE SUBJECT TO STORMS, HEAVY RAINS AND FLOODING, WHICH CAN DAMAGE SEAWALLS AND SURROUNDING SOIL. EFFECTIVE REMEDIATION WILL REPAIR EROSION, CRACKING, AND VOID FORMATION CAUSED BY WAVE ACTION AND NEGATIVE TIDES.**

## **SEAWALL SOLUTIONS FOR CRITICAL INFRASTRUCTURE REPAIRS**

### **Seawall Protection**

For effective remediation of seawalls, which can suffer from erosion, cracking, and void formation due to wave action and environmental conditions, our rehabilitation system is effective in filling voids, plugging leaks and providing necessary support to prevent further subsidence.

### **Soil Stabilization, Erosion Control and Leak Stoppage**

For stopping erosion and stabilizing surrounding soils, **Maverick Stabilization Grout** solutions are designed to offer a broad range of densities, viscosities and set-times. The grout penetrates deep into the soil behind seawalls, eliminating inflow and infiltration, and reinforcing the structure.

### **Rebuild Deteriorated Walls**

Choose from several hybrid cement-based materials, such as **Hyperform**<sup>®</sup>, to fill voids and rebuild without total replacement.

### **Structural Restoration**

**GeoKrete**<sup>®</sup> **Geopolymer** is a fully structural, corrosion resistant mortar used to restore and protect the deteriorated seawall. Spray applied, then troweled to a smooth finish, GeoKrete can extend the life of the seawall for many years to come.

# Seawall Rehabilitation System



Seawall stability is crucial to protecting coastal infrastructure.

## MORE COST EFFECTIVE THAN REPLACEMENT

The combination of proven rehabilitation solutions and avoidance of replacement costs saves asset owners thousands of dollars.

## QUICK, NON-INVASIVE REPAIR

Typical repairs are quick and efficient. Stabilizing the eroding soil, filling voids and repairing the seawall can all be accomplished without large, disruptive excavation equipment.

## EXTEND SEAWALL DESIGN LIFE

By using the Vortex seawall rehabilitation products and methods, you can effectively extend the design life for years to come.



## STABILIZE SOIL & ELIMINATE EROSION WITH I & I GUARD®

Maverick Stabilization Grout is a Hydrophobic/Hydro-Insensitive Polyurethane Grout that is effective in the remediation of seawalls, which can suffer from erosion, cracking, and void formation due to wave action and environmental conditions. Its exceptional flow characteristics allow to spread under concrete structures, where moisture is present, stabilizing soil, filling voids, and mitigating I & I.

## RESTORE SEAWALL STRUCTURAL INTEGRITY WITH GEOKRETE®

GeoKrete Geopolymer is a fully structural and corrosion resistant lining material to be applied over the deteriorated structure. Works well with Hyperform® as a composite system.

## FILL VOIDS AND CRACKS WITH HYPERFORM®

Hyperform is a rapid setting, high early strength patching material that fills cracks and voids to help rebuild the deteriorated seawall.