



**Geotouch**<sup>®</sup>

**SOIL EROSION &  
MARINE WORKS**

2017 Catalogue

2017

# Geotouch®

## Geotouch Geotextiles For **MARINE & RIVER WORKS**



### **COASTAL PROTECTION:**

Geotouch Geotextiles protect the coast line as their flexibility and permeability ensure withstanding to the impact of waves and currents, preventing erosion and washing out of fines.

### **RIVER BANKS & CANALS:**

Geotouch Geotextiles protect river banks and canals in an effective and environmentally friendly way.

### **FEATURES**

Specifically developed to respond to the installation challenges of geotextile, Geotouch® products are a breakthrough of importance comparing with other traditional construction techniques.

### **FILTRATION & EROSION CONTROL**

Supported by a constant innovating tradition, Geotouch geotextile has no equals under the most extreme application conditions. The product can reach 2000 gr per square meter and was mainly studied to control erosion, river and mountain areas.

### **PROTECTION**

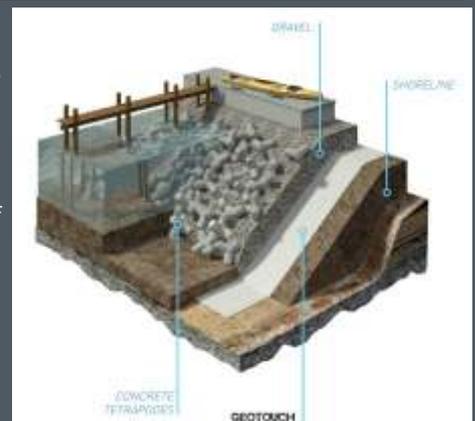
– 90% of the damages to a geotextile occurs during the installation. Geotouch ensures a total resistance to this primary challenge consequently guaranteeing a long life service. It is made of high quality polypropylene fibers allowing it to comply with the strictest project requirements.

### **DRAINAGE**

Thanks to its weight and thickness, it represents a unique drainage system. Landfills and tunnels are just two of the most common uses of the product.

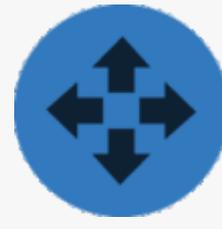
### **CHARACTERISTICS REQUIRED FOR USE IN THE CONSTRUCTION OF CANALS**

The flood events of recent years have demonstrate, how the intervention on rivers with traditional techniques, often not only is ineffective but even counterproductive. It is now recognized that the design of hydraulic defense should be done without altering the nature excessively, in order to obtain the expected results. Geotess® is the answer to the designer to solve some problems of management and water protection in both fluvial and marine, always respecting as much as possible the environmental balance. Geotouch® geotextiles reduce the erosion on the banks, stabilize the banks of canals and ditches, create a filter layer and separator in bank protection, build coastal defense in marine works.



# FUNCTIONS

Protection  
Drainage  
Reinforcement



# Geotouch®

## Geotouch Geotextiles For EROSION CONTROL

The Geotouch® coastal erosion and shoreline protection system is a world-leading solution - with many years of proven installations in harsh coastal environments. This system offers an aesthetically pleasing, cost effective, user friendly system for coastal designers and asset owners. The Geotouch® system consists of sand-filled geotextile containers built to form a stabilising, defensive barrier against coastal and river erosion. The geotextile containers are made of a durable staple fibre. It's a versatile system ranging from 500 kg hydraulically filled containers to 5 tons mega sand containers.

### TYPES

#### GEOTOUCH S CONTAINER

These containers are the smallest of the Geotouch containers. Generally used on temporary structures like, small sea walls and groynes, riverbanks protection and small onshore structures in very mild climates and conditions.

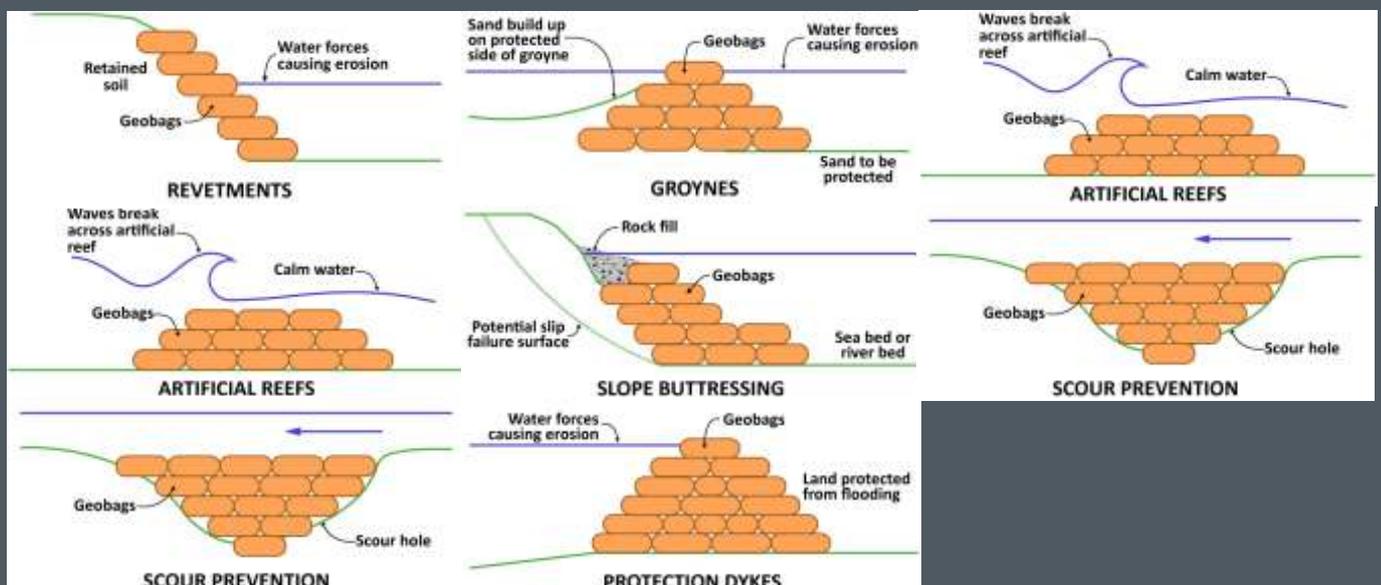
#### GEOTOUCH M CONTAINER

These medium sized containers are used in typically groyne structures in mild conditions, emergency works and temporary structures due to their versatility and rapid construction techniques.

#### GEOTOUCH L CONTAINER

These are the largest of the mechanically filled containers. These containers are used in revetments, reefs and groynes due to their large size and high stability, even under the harshest conditions. Filing and placement of these very large containers is achieved using a specialized hydraulic filling apparatus and placement cradles to ensure complete filling and a consistent, neat finish.

### APPLICATION



<b>PERMANENT STRUCTURES</b>	<b>S</b>	<b>M</b>	<b>L</b>	<b>TEMPORARY STRUCTURES</b>	<b>S</b>	<b>M</b>	<b>L</b>
Sea Walls, Revetments, Slope Buttressing		✓	✓	Groynes	✓	✓	
Groynes, Breakwaters, Dykes		✓	✓	Sea Walls	✓	✓	
				Riverbanks Protection	✓	✓	
				Reefs, Scour Prevention	✓	✓	
				Dunes	✓	✓	
				Riverbanks Protection	✓	✓	

## **FUNCTIONS**

### **EROSION CONTROL**

Geotouch® structures restrict the loss or movement of sand through wave action, tidal currents and wave currents.

### **EROSION CONTROL**

Geotouch® structures protect the shoreline by resisting the erosive forces from wave action or tidal events.

### **WAVE DISSIPATION**

Geotouch® structures can reduce the size and energy of waves by assisting the wave to break away from the foreshore, thereby providing sheltered waters in the lee of the structure.

### **ENVIRONMENTAL ENHANCEMENT**

Geotouch® structures provide a base upon which organisms grow in the ocean or rivers systems. Such growth is vital to the health and diversity of the natural environment.

## **ADVANTAGES**

### **FLEXIBILITY**

Geotouch® structures restrict the loss or movement of sand through wave action, tidal currents and wave currents.

### **FILLING**

Geotouch® structures restrict the loss or movement of sand through wave action, tidal currents and wave currents.

### **ENVIRONMENT**

It is safe and made with eco-friendly material.

### **WEIGHTS & MEASURES**

Geotouch structures compare favourably to traditional coastal structures, both with initial installed cost and whole-of-lines costing.

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## **TECHNOLOGY & DURABILITY**

It is made with double stitching for a maximum resistance to tearing.

## **DESIGN & INSTALLATION SUPPORT**

Geotouch sand containers are supported by technical assistance from our engineers. Installation support is also available to help ensure efficient and correct installation.

## **EASY TO TRANSPORT**

The weight of the bag is little and volume is not bulky.

