

# SOIL RETENTION

SOIL RETENTION PRODUCTS RANGE  
FROM LIGHTWEIGHT, ECONOMICAL SYSTEMS  
TO COMPLEX ENGINEERED STRUCTURES



Armtec offers a wide range of retaining wall and geosynthetic-based solutions for soil retention, soil reinforcement, drainage and soil stabilization.

Our high-strength systems are widely recognized for their versatility, ease of transport and installation, and visual appeal. Whether standard or custom engineered, Armtec products give contractors, consultants and owners a multitude of cost-effective soil retention options.

Our growing lineup includes well-known brands such as Bin-Wall and Durisol retaining walls, as well as steel sheeting, modular block retaining walls, and a variety of geosynthetic-based products.

We have achieved success in a broad range of infrastructure, commercial, residential, recreational and marine applications by offering consistent product quality and performance, and providing unmatched technical support and customer service.

### **BIN-WALL**



Gravity retaining walls made of steel cells filled with granular backfill

#### **Design flexibility**

Adjusts to minor ground movement without cracking or bulging

#### **Versatile**

Sectional layout provides flexibility in configuring walls

#### **Lightweight**

Can be installed with light equipment

### **DURISOL RETAINING WALLS**



Sound absorptive Durisol material consists of specially graded wood particles bonded with cement

#### **Post and panel design**

Simplifies installation and removal

#### **User friendly**

Minimal excavation and backfill requirements

#### **Compatibility**

Can be designed in vertical combination with Durisol noise barriers

#### **Attractive finishes**

Wide range of sound absorptive or regular concrete finishes

### **GABIONS**



Layers of stone-filled wire boxes are stacked on top of each other to create a gravity retaining wall

#### **Durable**

Made of heavy-gauge galvanized steel wire

#### **Functional**

Suitable for stabilizing shorelines, controlling erosion, directing flood waters

#### **Easy transport**

Shipped flat for economical transport

With 48 locations including production facilities and offices across every region of Canada, Armtec is able to provide customers with industry-leading service, high-quality products and consistent product supply.

Many of our products are manufactured by Armtec, in our own quality-controlled production facilities. We also work with other suppliers to give our customers the broadest possible range of options, while acting as the main point of contact for all project needs. If the exact product is not available, we'll custom-build a solution to meet unique site conditions or project specifications.

Armtec aims to make projects easier for our customers. We often work on-site, providing technical assistance and installation support to help ensure that the project goes smoothly.

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#### TYPICAL APPLICATIONS

- Road and rail retaining walls and structures
- Base reinforcement and soil stabilization for roads, parking lots and railways
- Residential and industrial land reclamation
- Shoreline protection and freshwater docks
- Commercial and residential landscape projects

### GEOSYNTHETICS



High-strength geosynthetics for reinforcing soils and strengthening roads and slopes

#### Variety

Wide range of woven and non-woven products to suit most design requirements

#### Strength

Immediate strength development in buried applications

#### Multi-purpose

Can be combined with other Armtec solutions for additional strength and cost savings

### STEEL SHEET PILING



Versatile building material used for trench shoring, cut-off walls, shore protection, docks and loading ramps

#### Unique profile

Metal-to-metal interlocking design provides positive soil retention

#### Nestable pieces

Reduces storage and shipping costs

#### Handling ease and drivability

Easily driven into the ground

### MODULAR BLOCK RETAINING WALLS



Segmental, reinforced-concrete, reinforced-soil wall known as the LOCK+LOAD system

#### Visual appeal

Attractive quarried stone appearance

#### Design flexibility

Modular design uses high-strength concrete components assembled into a rigid cantilever unit

#### Easy to install and move

Lightweight panels weigh less than half that of other solid wall fascia systems

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**PRODUCT CATEGORIES WITH PRODUCT GROUPS**

**BRIDGE MATERIALS**

BEBO Concrete Arches  
Bin-Wall Bridge Abutments  
Bridge Girders and Beams  
Bridge Plank  
Bridge-Plate  
Precast Concrete Piles  
Structural Plate  
Truss Bridges

**DRAINAGE SOLUTIONS AND WATER TREATMENT**

Collector Pans  
Corrugated Steel Pipe  
HDPE Pipe  
HDPE/Precast Septic Tanks  
HDPE Tubing  
Multi-Plate  
Platon  
Reinforced Concrete Pipe  
Stormwater Treatment/ Detention Systems  
Sumps/Trenches  
Ultra Flo Steel Pipe  
Water Control Products

**LANDSCAPING PRODUCTS AND AMENITIES**

Concrete Block Retaining Walls  
Driveways, Patios and Accessories  
Parks and Recreation  
Paving Stones  
Precast Concrete Steps  
Roofing Slabs

**NOISE CONTROL**

Concrete Sound Fencing  
Durisol Precast Noise Barrier  
PARAGLAS SOUNDSTOP  
Precast Acoustic Facings  
Whisper Wall

**PRECAST CONCRETE BUILDINGS AND VENUES**

Architectural Precast Concrete Elements  
Double Tees  
Flexwall  
Precast Concrete Panels and Walls  
Precast Concrete Structures and Elements  
Precast Slabs  
Prestressed Hollowcore Slabs  
Sports Venues

**PRECAST CONCRETE GARAGES AND PARKADES**

**ROAD AND HIGHWAY SAFETY**

Precast Products  
Steel Products

**SOIL RETENTION**

Bin-Wall  
Durisol Retaining Walls  
Gabions  
Geosynthetics  
Modular Block Retaining Walls  
Steel Sheet Piling

**UNDERGROUND AND UTILITIES**

Cast Iron  
Communications  
Electrical  
Conveyor Covers  
Precast Tunnel Liner  
Precast Utility Pads  
Streetlight Bases and Traffic Control  
Tunnel Liner Plate  
Utility Buildings  
Water Distribution

**OUR COMMITMENT**

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**SERVICE EXCELLENCE**

We are committed to delivering the high level of service your business demands. Regional teams of experienced sales, service and technical personnel are located close to our customers and partners, ensuring that you get the products, service and advice you need, when you need them.

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**CERTIFICATIONS**

Armtec carries all requisite certifications at its operating sites including ISO 9001 quality certification or compliance, Canadian Standards Association (CSA) and Bureau de Normalisation du Québec (BNQ) specifications for all applicable products. For information on specific certifications, please contact your regional Armtec office.

**MORE INFORMATION**

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**ARMTEC**

For more information about Armtec products or to get your project started, please speak to your local Armtec sales and service team or visit our website at [www.armtec.com](http://www.armtec.com).



Armtec is a leading Canadian infrastructure and construction materials company combining creative engineered solutions, relevant advice, dedicated people, proven products and a national presence with a local focus on exceptional customer service.

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