

ARMORFORM[®]

YOUR SOLUTION TO PERMANENT HARD ARMOR EROSION CONTROL

Armor Bags

- **Armor Bags** are custom fabricated to fit job site requirements. Inlet valves, attached by fabric flange to a slit in the surface of the bag, provide positive self closure. Armor Bags offer an effective, adaptable and economical alternative to the expensive and labor-intensive placement of rip rap—heavy boulders, or large precast concrete blocks.
- **Armor Bags** are available in a wide assortment of dimensions to ensure compatibility with your applications. The bags provide the formwork required to cast concrete elements with the mass and stability to withstand the waves and/or rapidly flowing water. The concrete grout bags may be placed side-by-side or stacked to form an inherently interlocked concrete structure. Armor Bags can be positioned and filled with concrete from the surface in shallow water or by divers in deeper water. Since they are cast-in-place, they intimately adapt to variations in the subgrade or bottom contours.



ARMORFORM[®]
Fabric Formed Hard Armoring

DESIGN CONSIDERATIONS

- Can be placed underwater or in-the-dry
- Economical alternative to stone or pre-cast
- Pumped in-situ without the need of heavy cranes or barges
- Custom ordered sizes
- Conform to subgrade or bottom contours

APPLICATIONS

- Shoreline Wave Protection
- Pipeline Support
- Repair of Stone Jetties
- Dike Groin
- Breakwaters
- Retaining Walls
- Seawalls
- Foundation/Footing Supports

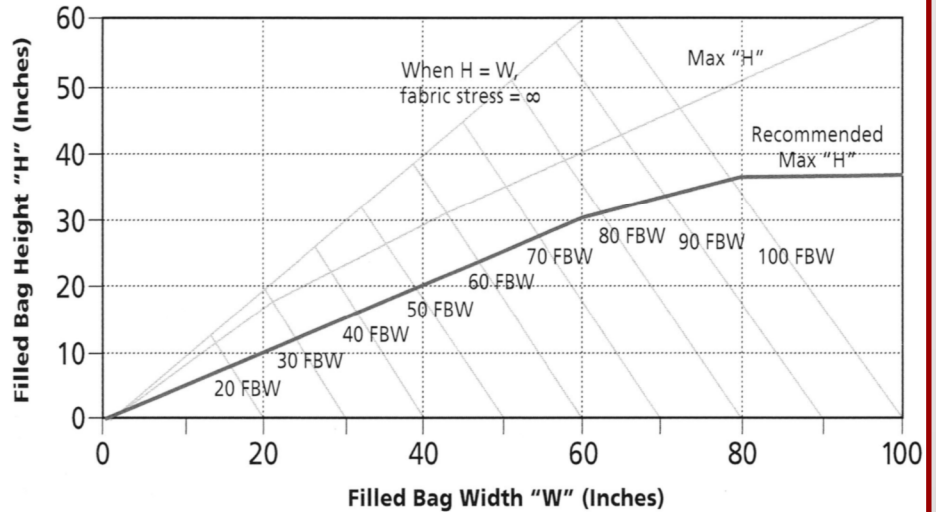
INDUSTRIES

- Highways/Bridges
- Ports/Harbors
- Dams/Levees
- Rivers/Canals
- Flood Control
- Coastal/Marine
- Oil/Gas Pipeline
- Power Generation

ARMOR BAGS TECHNICAL DATA

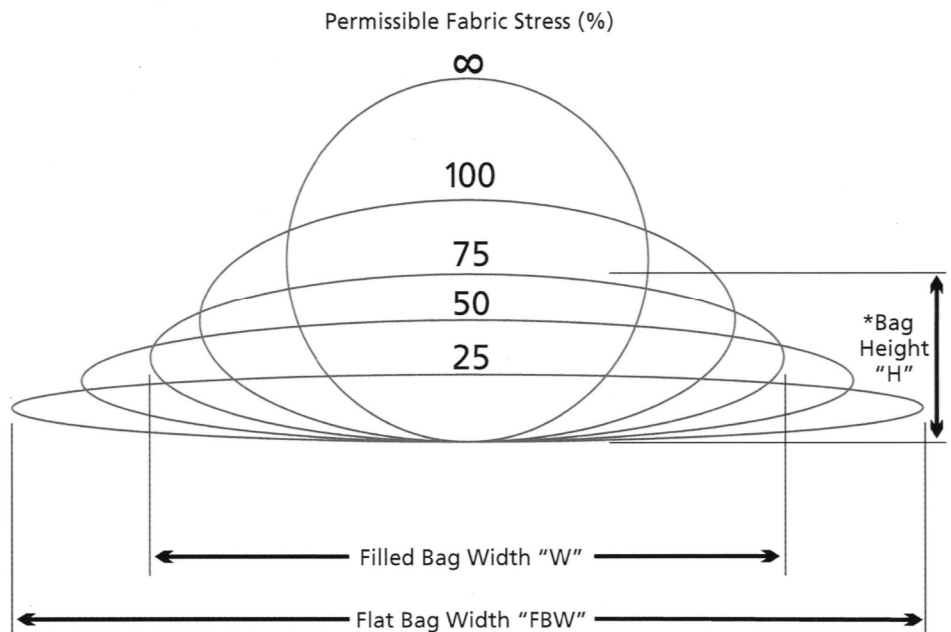
Bag Dimensions Calculated as:

$$C = 2 \text{ "FBW"} = \pi H + 2(W-H)$$



FBW = Flat Bag Width (Inches)

Fabric Stress



*Recommended Maximum "H" is 1/2 "W"