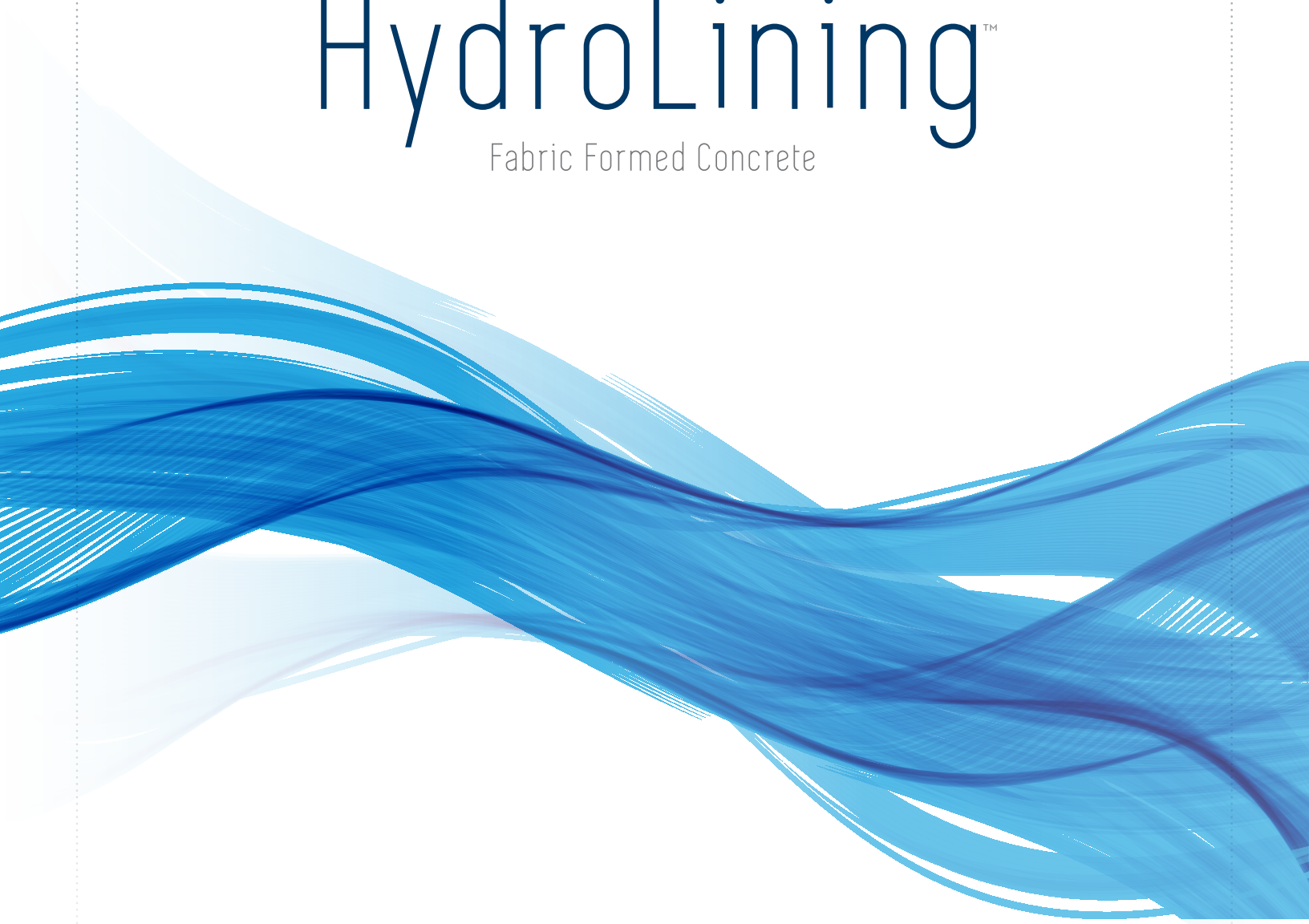
INNOVATIVE EROSION CONTROL

HydroLining™

Fabric Formed Concrete



CONSTRUCTION TECHNIQUES

HydroLining™

Fabric Formed Concrete

INNOVATIVE EROSION CONTROL

Fabric formed concrete is the result of pumping a highly fluid concrete mix into fabric forms. The HydroLining process utilizes a double-layer nylon and/or polyester fabric form specially woven for optimal strength, stability, adhesion and filtering characteristics – providing a versatile hard armor solution for erosion control.

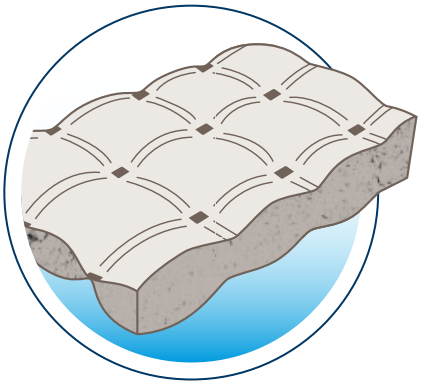
This innovative method of erosion-control allows for fast, economical construction of revetments, landfill containment systems, holding ponds, canal linings, bank stabilization and countless other applications.

Fabric forms have the unique advantage of allowing the concrete to be pumped and cured below the water line – making site preparation much easier. In addition, fabric forms eliminate the need for time-consuming wooden forms so labor and material costs are reduced due to simpler installation and more efficient use of concrete.

In addition to economical advantages, fabric formed concrete is the smart choice for erosion control because of its high versatility, durability and effectiveness. Worldwide, there are millions of square feet of fabric formed concrete in place.

HYDRO LINING™

THREE STYLES OF REVETMENTS:



1 FILTERPOINT

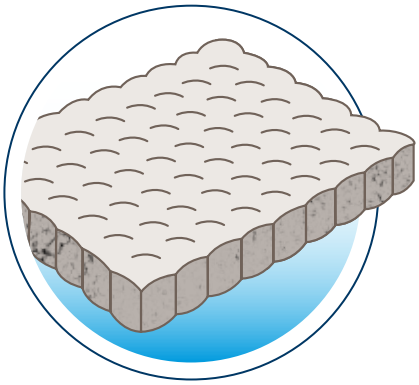
For maximum attenuation of hydraulic energy and relief of hydrostatic uplift.

Filterpoint revetments are characterized by aesthetically appealing cobbled surfaces.

Woven filterpoints between cobbles relieve hydrostatic uplift pressure and each revetment exhibits a high coefficient of hydraulic friction.

The majority of erosion control applications utilize the 8" (200mm) filterpoint revetment.

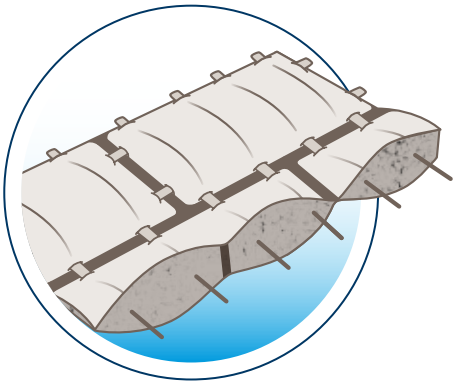
The light 5" (130mm) filterpoint style fabric is available for constructing thinner revetments in less demanding areas such as the shorelines for small ponds and drainage ditches. The 10" (250mm) filterpoint provides a heavy duty mat when severe abrasion is anticipated or additional weight is advisable.



2 UNIMAT

For minimum hydraulic friction and maximum impermeability.

Unimat revetments are characterized by a slightly dimpled surface. These revetments exhibit a relatively low coefficient of hydraulic friction. Permeability approximates that of high quality concrete paving. Unimat style fabric for construction of 3" (75mm), 4" (100mm) and 6" (150mm) thick revetments is carried in inventory. Fabric for other revetments from 8" (200mm), 10" (250mm) and 12" (300mm) thickness is available on special order. Criteria for selection of unimat revetment is the same as that employed in determining the thickness of concrete paving.



3 ARTICULATING BLOCK

For slopes subject to severe underscour or consolidation.

AB revetments consist of rectangular concrete blocks cast in place in a staggered pattern and can be linked together by reinforcing cables inserted between the two layers of fabric prior to mortar injection. Cables allow the revetment to articulate with changing soil and water conditions. AB style fabrics for construction of an average 4" (100mm), 6" (150mm) and 8" (200mm) thickness are carried in inventory. If required, nylon rope cables in sizes to meet design requirements are installed in the assembled panels.

Hydrolining® fabrics are manufactured with continuous multifilament, high-tenacity nylon and/or polyester for stability and resistance to the strong alkalis present in concrete and are woven such that at least 50% by weight consists of textured fibers for optimum filtering characteristics and adhesion to mortar.

HYDROLINING IS PROUDLY MADE IN THE USA

Contact

With over 100 years of combined experience in the sale, manufacture and service of fabric formed erosion control products, the staff of Construction Techniques is well-prepared to advise you on your next project. Allow us to put our experience to work for you.

For more information, contact us today or visit our website.

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Tailored Solutions for Concrete