

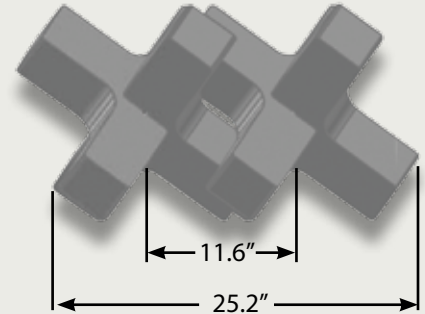
Submar

X-STREAM™ Scour Protection

X-Stream™ concrete armor units are the best solution to eliminate scour from occurring within a waterway while stabilizing the banks and promoting new vegetation.

X-Stream™ concrete armor units can be used in the following challenges:

- Wave Attack
- Bridge Scour
- Pier Scour
- Shoreline or Bank Erosion
- Toe Scour or Erosion
- Lateral Bank Migration
- Drop Structure Erosion
- Weir Erosion



X-Stream™ concrete armor units are designed to interlock and trap soil; the interlock feature stops the units from dislodging and prevents the system from being tampered with while the trapped soil allows for vegetation and a stronger, stabilized system.

The most important feature of the X-Stream™ product is its function as an energy dissipator. The kinetic energy in flowing water and continued wave attack cause instability of not only banks but also of bridge and pier abutments. The X-Stream™ units have been field tested and proven to increase bank stability and create a non-erodible barrier of protection as it dissipates the energy of the waterway.

X-Stream™ Unit Specifications

X-Stream	Length	Arm Thickness	Weight (lbs)
XS-18	18"	3.813"	56
XS-48	48"	7.78"	635

X-Stream™ concrete armor units are delivered to the job site palletized and in two pieces that interlock. This interlocking installation process is easily done by hand, which makes the X-Stream™ system a viable option over traditional types of scourline armoring. This becomes even more important when you are faced with a project that has limited access to heavy equipment.

X-Stream™ concrete armor units are the #1 application to date for energy dissipation and scour countermeasure.



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