



EROSION CONTROL  
TECHNOLOGY COUNCIL  
ETC - EST 1992  
DIRECTING MEMBER



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## CURLEX® BLOC INSTALLATION GUIDELINES

Curlex Blocs may be installed over bare soil or over Curlex® rolled erosion control products. Stacking Curlex Blocs may be necessary in certain applications. If stacking is necessary, offset joints between rows of Curlex Blocs.

Curlex Blocs shall be installed parallel to water flow and perpendicular to potential wave action. Applications of Curlex Blocs include natural filters of contaminated runoff, around inlets and outlets, around jobsites for perimeter control, runoff diversion, or other applications when a filtering product is desired.

On shorelines and other applications determined by the Engineer, they shall be secured to the subgrade within a trench by a minimum of 1 in by 1 in wood stake every two lineal feet across the length of both sides of the Curlex Bloc in an alternating pattern. Pound stakes tightly next to Curlex Bloc leaving approximately 4 in of stake above surface of Curlex Bloc. Notch stakes deep enough to fit rope to be used. Weave rope from stake-to-stake, front-to-back along the length of the Curlex Bloc to secure the Curlex Bloc in place. Pound down stakes flush with surface of Curlex Bloc after rope has been tightly installed. The stakes shall be driven into the subgrade a minimum of 24 in.

Trenching of Curlex Bloc is optional for inlet or outlet protection, perimeter control, wetland protection, runoff diversion, and filtering applications. Sandbags or other weighted objects may be placed across the top of the Curlex Bloc in lieu of stakes and rope upon approval by the Engineer.

Adjoining Curlex Blocs shall be abutted tightly. Curlex Blocs (with biodegradable containment material) are easily abutted with a seamless joint as one end of each Curlex Bloc has an extra flap of containment material to pull over the end of the adjacent Curlex Bloc after placement. Note that each Curlex Bloc with biodegradable containment material contains one end with an extra flap for the abutment joint and one end without the extra flap that will be covered using the extra flap on the adjoining Curlex Bloc. If the flaps will not be used, remove the excess material without damaging the secured end of the Curlex Bloc, then abut adjoining ends tightly.

Multiple rows of Curlex Blocs may be needed to reach mean high water mark. Check with Engineer for placement details. Project specifications should be reviewed for any unique installation requirements.

Incorporation of live plants through and around Curlex Blocs is common. Ensure sufficient moisture is available for target species selected. Use planting iron to create a hole in Curlex Bloc then place plug deep into Curlex Bloc. Typically, plugs are installed in a staggered pattern along the length of the Curlex Bloc.

Site preparation according to the plans shall be completed before installing Curlex Blocs. Locate Curlex Blocs as shown on the plans or as directed by the project engineer.

Disclaimer: Curlex Blocs is a system for shoreline and streambank stabilization and for sediment control in channels and on slopes. American Excelsior Company (AEC) believes that the information contained herein to be reliable and accurate for use in erosion and sediment control applications. However, since physical conditions vary from job site to job site and even within a given job site, AEC makes no performance guarantees and assumes no obligation or liability for the reliability or accuracy of information contained herein, for the results, safety, or suitability of using Curlex Blocs, or for damages occurring in connection with the installation of any erosion control product whether or not made by AEC or its affiliates, except as separately and specifically made in writing by AEC. These guidelines are subject to change without notice.

# Step by Step Shoreline Installation of Curlex® Bloc with Biodegradable Containment Material

**Step 1** Dig a flat bottom trench and place Curlex Bloc in the trench.



**Step 2** Place a second Bloc adjacent to the first Bloc. Pull the extra flap of containment material from the second Bloc over the end of the first Bloc. This will create a seamless joint between Blocs.

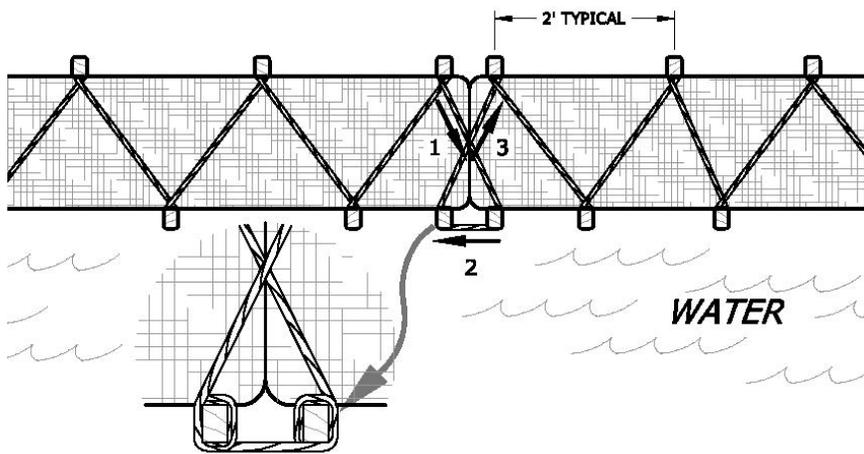


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**Step 3** Pound notched wooden stakes into the subgrade, every two linear feet across the length of both sides of the Curlex Blocs in an alternating pattern leaving 3-4 inches of stake above the Blocs.



**Step 4** Weave rope from stake-to-stake, front-to-back along the length of the Blocs. Drive the stakes the remaining 3-4 inches or until the rope is tight.



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**Step 5** Backfill to the top of the Curlex Blocs. If desired, seed and fertilize backfill area. Install Curlex® NetFree™ onto the backfill area. If desired, plug plants through the Curlex NetFree.



**Step 6** If desired, use a planting iron to create a pilot hole through the Bloc. Insert a live stake through the pilot hole into the subgrade a minimum of 6 inches below the Bloc.



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