

Installation Method

Environ is a non-structural barrier wall system designed purely for embedment applications. Due to HDPE's low material stiffness, the installation method is an important consideration. A steel mandrel serves as a backing template, providing the rigidity to absorb and transfer hammer stresses for a successful installation. Typically steel mandrels are used with a vibratory hammer, which performs well in granular soils. In more difficult soils, pre-drilling may be required.

Environ is engineered for chemical resistance and low permeability. The 30-inch wide section is designed to provide maximum coverage with fewer interlocks to minimize flow. Hydrophilic and non-swelling joint sealants can also be used to further reduce contaminants and vapor intrusion.



Typical steel mandrel encases HDPE sheet during installation.



Toe clamps released after depth has been achieved.



Close up of mandrel during installation.

