

## AZ Sheet Pile for Environmental Applications

For more than 40 years, the Z-Pile shape has dominated the US market. The AZ sections from ArcelorMittal are the widest, lightest, and strongest sheet piles available today. AZ's offer the following benefits:

- Excellent strength to weight ratio (section modulus/mass)
- Increased inertia to reduce deflection
- Larger width of section for faster installation

## The Right Connection

For environmental applications, the interlock connection is the critical component of the sheet pile system. AZ sheet piles are engineered with the four point contact Larssen interlock. This lock is the tightest in the industry and has a permeability of  $3.28 \times 10^{-7}$  ft/sec, an acceptable rate by environmental agency standards. The tight interlocks, wide sheets, and proven history make the AZ sheet piles the choice for containment and remediation applications.

## Signed, Sealed, and Delivered

For retention of contaminated liquids and groundwater, the Larssen interlock offers the lowest permeability of any sheet pile system. To further reduce the permeability of the wall, sealants and welding are available. Skyline's proprietary system, Roxan<sup>®</sup>, uses a hydrophilic sealant which is applied to the interlocks prior to delivery. The Roxan<sup>®</sup> system reduces the permeability to  $1.00 \times 10^{-9}$  ft/s. Welding the center interlock of a pair of sheets before installation can reduce the flow by an additional 50%. Skyline provides the widest range of sheet pile sections with multiple permeability options to meet the challenges of most environmental site conditions.

## No-Cost Engineering Support

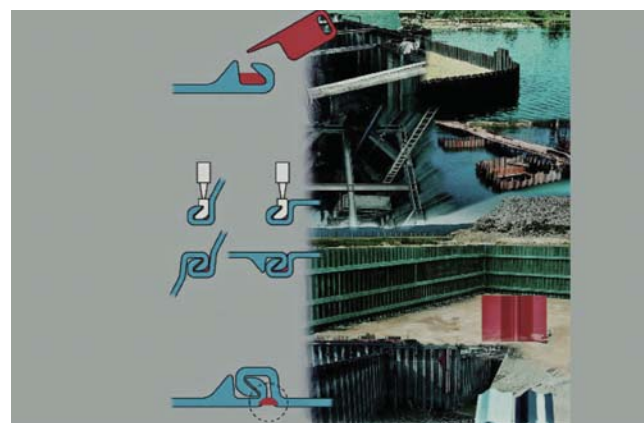
Skyline offers free engineering support to environmental designers and contractors. Our piling experts bring a century of steel pile systems technology through our parent company ArcelorMittal. To learn more about our steel systems and solutions, visit us at [www.skylinesteel.com](http://www.skylinesteel.com) or to speak with a Skyline environmental engineer, call 1-866-875-9546.



The AZ sheet pile series offers more than 20 sections to meet your environmental demands.



The Larssen four-point connection with joint sealant reduces permeability within EPA standards.



Skyline offers multiple joint sealant options for environmental applications.