



METRO PILING

ENGINEERING STRONG FOUNDATIONS

SHEET PILING

RETAIN ■ PROTECT ■ ENABLE

TEMPORARY AND PERMANENT SOLUTIONS

Sheet piling is a proven, versatile and cost-effective solution for retaining earth, controlling groundwater and enabling safe construction in challenging ground conditions. Interlocking steel sheet piles are installed using a vibratory hammer, impact hammer or hydraulic press to form a continuous wall with high structural strength and low permeability.

Our sheet piling solutions are used for deep excavations, basements, cofferdams, river and canal works, infrastructure and marine projects. Sheet piles can be designed as temporary works, with extraction after construction, or as permanent retaining structures. With a range of section sizes and installation techniques, we provide safe, efficient and environmentally responsible solutions, even in restricted access and urban environments.



APPLICATIONS



Basement excavations



Cofferdams and dewatering



Infrastructure and civil engineering



River, canal and marine works



Retaining walls and level changes



Temporary works for construction



Industrial and commercial developments



ADVANTAGES



High strength and durability



Water tight interlocking system



Suitable for temporary or permanent use



Fast and efficient installation



Minimal ground disturbance



Suitable for restricted access sites



Supports safe excavation in variable ground conditions



Reusable and sustainable solution



EXPERT SHEET PILING SOLUTIONS

SAFER SITES
STRONGER COMMUNITIES
A MORE RESILIENT FUTURE



INSTALLATION PROCESS

- 1 Set out** – Confirm alignment, levels and working platform.
- 2 Position** – Lift sheet pile into position using the rig.
- 3 Install** – Drive the sheet pile using a vibratory hammer, impact hammer or press.
- 4 Interlock** – Each pile interlocks to form a continuous wall.
- 5 Support** – Install walers, props or ground anchors where required.
- 6 Complete** – Drive to final depth, verify levels and install capping beam if required.



TYPICAL CAPABILITIES

PARAMETER	FROM	TO
Section types	Z, U, Straight (e.g. ESZ, AZ, Larssen)	Various
Section width	400 mm	800 mm+
Sheet thickness	6 mm	16 mm
Installation depth	3 m	30 m+
Retained height (typical)	1 m	10 m+

*Subject to ground conditions, design requirements and installation method.



www.metropiling.co.uk



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