



Advanced Pile Elements from APE

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Stock available in 1,2,&3 metre lengths
(12 metre max available to order)

ProLock-MultiLock Plastic and Timber retaining structures

**You may wonder how other plastic piles are driven?
But with this product, the ease of installation is clearly visible.**

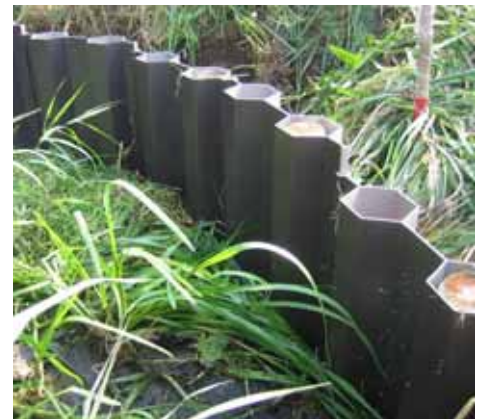
Plastic is very sustainable, but it has a lower E-modulus than wood and steel. Softwood offers much strength and is cheap, but it rots away when it is applied at water surface. However, immersed softwood has a very long life-span.

Therefore a new innovative sheet pile design has been developed, combining the characteristics of plastic with the benefits of softwood. The plastic screen is applied at the height where water is present up to ground level (and depending on the type of earth up to approx. 50 cm in the bottom), while the wooden pole is installed under the lowest water level, where it has to provide strength and the wood cannot rot

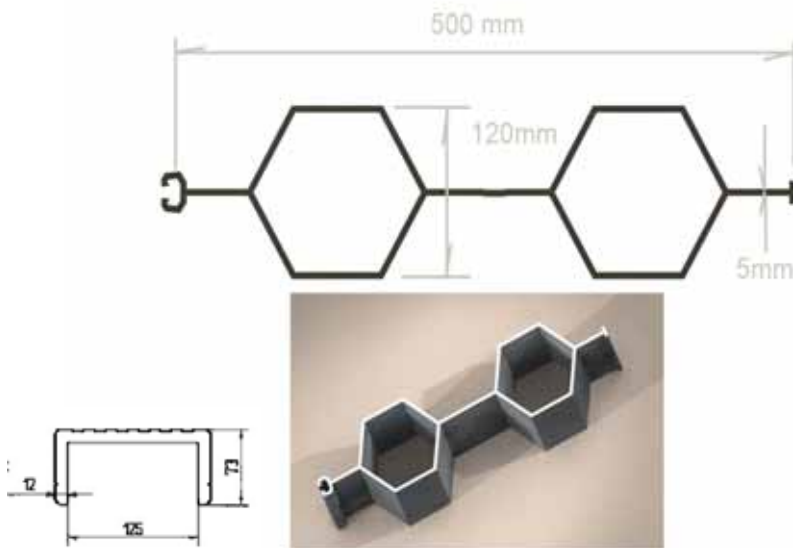
The most expensive segment of a piled wall is the piles, so why waste so much of the sheet under the ground?

All the benefits of plastic piling with the ease of driving timber, greatly reduces the overall cost and installation times - less pile to be driven, combined with the 500mm width, providing greater coverage per sheet, means less piles to drive!

The attractive symmetrical shape enhances the strength of the section and does not need extreme corrugations, as is the case with all existing plastic piles.





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Specifications		Units	Multilock
Material Thickness		mm	5
Weight		kg/m	6.2
Weight of Wall		kg/m ²	12.4
Width Pile		mm	500
Depth Pile		mm	120
Density		kg/m ³	1450
Elastic Modulus		kN/m ²	1770
Stiffness EI rep	Multilock only	kNm ² /m	19
	Multilock Sheet plus 100mm pole every 50 cm	kNm ² /m	107
	Multilock Sheet plus 100mm pole every 25 cm	kNm ² /m	196
Maximum Bending Moment	Multilock only	kNm/m	2.77
	Multilock Sheet plus 100mm pole every 50 cm	kNm/m	4.69
	Multilock Sheet plus 100mm pole every 25 cm	kNm/m	6.6




 Attractive symmetrical shape - shallow corrugations.

 Combination system means strength without visually offensive deep corrugations

 Strong interlock

 500 mm wide profiles

 Made from Recycled PVC

 Co-extruded for a uniform appearance

 Piling Caps available

