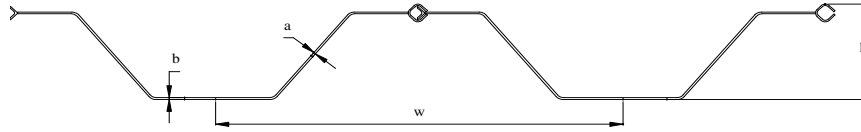


ESC BP SERIES PILES



ESC Sheet Pile Type	Unit Width w	a b h			Sectional Area Per wall Length	Unit Weight Per wall Width	Coating Area Both Sides Per wall Width	Moment of Inertia Per wall Width	Modulus of Section Per wall Width
	(m)	mm	mm	mm	cm ² /m	kg/m ²	m ² /m	cm ⁴ /m	cm ³ /m
ESC8BP	1.555	6.0	6.0	405.0	79.0	62.0	2.630	18,200	800
ESC12BP	1.555	8.0	8.0	406.0	104.7	82.4	2.630	24,360	1200
ESC14BP	1.555	10.0	10.0	406.0	128.8	101.1	2.630	29,930	1471

Description:

'U' shape fully interlocking light to medium gauge wide profile sheet pile, fitted with angle clutch mechanism. Nominal width 1550mm.

Characteristics:

Suitable for most earth pressures
 Clutch mechanism provides effective cutoff in most soils
 Suited for most soil types between soft and firm
 Suitable for permanent and temporary works and low reuse situations. The BP sheet pile has a very wide profile which reduces the interlocking joints, which in turn reduces the potential for leakage through the sheet pile wall. The interlocking joint has been specifically created to allow it to be sealed insitu with a bentonite/cement grout or similar to provide a 100% cut off.

Recommended Applications:

Water cut off and/or control seepage
 Drains/Canals
 Low embankments
 Cofferdams
 Shallow excavations
 River Works
 Pipelines

Driving Characteristics

Item	Parameter	Value
1	Optimal Soil Type	Soft-Firm
2	Recommended Maximum Driving Length	12.0 metres up to ESC8BP but upward to 24.0 metres for ESC12BP onwards.
3	Maximum internal corner angle*+	77 degrees
4	Maximum external corner angle*+	8 degrees

Notes:

* Angle refers to deviation off straight driving line

*+ If required angle exceeds allowance, a corner pile should be used

1 Sheet pile properties based on effective section design as per BS5950-1998 Part 5. Section can develop full yield stress without onset of panel buckling

2 Computation of modulus considers bending in both directions. Lowest resulting value selected.

All sheet piles are available in S235, S275 and S355 steel. Grades such as S240, S270, S320, S390, S430 and other grades are available upon request.

For assistance in selecting the correct sheet pile for your application or custom designing your own sheet pile, please contact one of our representatives. Sheet pile specification sheets are to be used by experienced designers. It is recommended that users refer to ESC for free assistance in correct sheet pile selection.