Hume Concrete is the leading manufacturer of precast concrete sheet piles in Malaysia. We have well-established production set up in our factories which ensure good quality sheet pile product. We produce both reinforced and prestressed concrete sheet piles, whereby their usages are subjected to project requirements and clients’ request.

Precast concrete sheet pile wall is a relatively faster and cheaper retaining wall solution as compared to other system such as conventional rc retaining wall, diaphragm wall, contiguous bored pile wall, secant pile wall, steel sheet pile wall, etc. Moreover, it also has prominent technical advantages against these system which makes it a popular choice for retaining wall solution. Its usage is wide and it can be used as both temporary and permanent structures:

**Applications:**
Temporary structure – Temporary shoring during construction works; basement construction.
Permanent structure – River embankment; Wharf / Quay wall; Sea wall; Revetment; Foot / scour protection; Cut-off wall; Bund construction; Road / railway embankment; Sewerage / drainage trench; Storage pond, etc.

As we realize that the overall knowledge of sheet pile technology which includes its geotechnical analysis, structural design, practical installation and other specific requirements for different applications, is seldom well understood by end user, we have therefore developed our unique business strategy for this product – “One-stop-solution” which includes Design, Supply and Problem-solving during site installation. This approach shall relieve our customers from all the complications of understanding its details as the design is done and endorsed by our experienced professional engineers, the supply quality is well-controlled by our skilful production engineers and any site problem shall be advised and tackled by our dedicated engineers whom shall visit the project site at frequent basis.

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**ADVANTAGES OF PRECAST CONCRETE SHEETPILES**

- Long Serviceable Life
- Aesthetic Appearance
- High Strength to Weight Ratio
- High Driving Accuracy
- High Performance & Relatively Inexpensive
- Less Corrosion Worries
- Maintenance Free
- Flexible Shapes, Sizes & Lengths
- Small Displacement at Pile Head
**Corrugated Shape Profile: Types & Properties**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Dimension</th>
<th>Area (Cm²)</th>
<th>Neutral Axis</th>
<th>Moment Inertia</th>
<th>Section Modulus</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B</td>
<td>H</td>
<td>W₁</td>
<td>W₂</td>
<td>t₁</td>
</tr>
<tr>
<td>HSP-W450 X 1.0</td>
<td>1000</td>
<td>450</td>
<td>440</td>
<td>220</td>
<td>120</td>
</tr>
<tr>
<td>HSP-W600 X 1.0</td>
<td>1000</td>
<td>600</td>
<td>440</td>
<td>220</td>
<td>120</td>
</tr>
<tr>
<td>HSP-W450 X 1.2</td>
<td>1200</td>
<td>450</td>
<td>600</td>
<td>250</td>
<td>150</td>
</tr>
<tr>
<td>HSP-W650 X 1.2</td>
<td>1200</td>
<td>600</td>
<td>600</td>
<td>265</td>
<td>165</td>
</tr>
</tbody>
</table>

**Legends**
1) Vibro Hammer
2) Concrete Sheetpile Holder
3) Hume Concrete Sheetpile
4) Holder Beam

It is our policy to continuously review and improve products and their design. Information in this leaflet is therefore subject to change without notice.

**HUME CONCRETE MARKETING SDN. BHD. (8411-T)**
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