



## Our cold formed sheet piles.

Our cold formed sheet piles are designed and produced according to the customers specific demands.

We design a shape and section dimensions that work best for every specific project.

The IBO sheet piles are an European product available in thicknesses from 0.157" up to 0.610". Production in accordance with DIN EN102049 or ASTM tolerances in Grade A328 or A572 Grade 50.

### Advantages:

- Less material = lower weight lb/ft<sup>2</sup>
- Larger effective width = fewer interlock seals
- Less sheet piles per wall ft = Less handling
- Suitable for smaller quantities
- Short delivery times
- Alternative to tropical hardwood or vinyl sheet piles



| COMPARISON BETWEEN OUR IBO SECTIONS AND HOT ROLLED SECTIONS |   |                   |   |                      |
|-------------------------------------------------------------|---|-------------------|---|----------------------|
| Hot Rolled                                                  |   | IBO - Cold Formed |   | Weight Advantage IBO |
| PZ 22                                                       | > | 0.315" - IBO 18.2 | > | 18.3 %               |
|                                                             | > | 0.354" - IBO 19.1 | > | 12.8 %               |
|                                                             | > | 0.394" - IBO 26.5 | > | 2.3 %                |
| PZ 27                                                       | > | 0.354" - IBO 33.6 | > | 24.0 %               |
|                                                             | > | 0.394" - IBO 37.8 | > | 9.4 %                |
| PZ 35                                                       | > | 0.394" - IBO 52.9 | > | 10.8 %               |

In the table below you can find some of the pre-designed IBO sheet pile sections. Always ask one of our sales representatives for the best available option.

| Section    | Sec.mod.                                  | Mom.of In.                                | Width      | Height     | Thickness  | Weight single  | Weight                                  | Coating 2-side                           |
|------------|-------------------------------------------|-------------------------------------------|------------|------------|------------|----------------|-----------------------------------------|------------------------------------------|
| Z-type     | in <sup>3</sup> /ft<br>cm <sup>3</sup> /m | in <sup>4</sup> /ft<br>cm <sup>4</sup> /m | inch<br>mm | inch<br>mm | inch<br>mm | lbs/ft<br>kg/m | lb/ft <sup>2</sup><br>kg/m <sup>2</sup> | ft <sup>2</sup> /ft<br>m <sup>2</sup> /m |
| IBO - 7.9  | 7.9                                       | 30.7                                      | 45.67      | 7.13       | 0.236      | 48.4           | 12.7                                    | 9.35                                     |
|            | 425                                       | 4.210                                     | 1.160      | 181        | 6.0        | 72.0           | 62.1                                    | 2.85                                     |
| IBO - 8.1  | 8.1                                       | 28.5                                      | 59.84      | 6.89       | 0.236      | 58.1           | 11.6                                    | 11.22                                    |
|            | 433                                       | 3.908                                     | 1.520      | 175        | 6.0        | 86.4           | 56.8                                    | 3.42                                     |
| IBO - 8.6  | 8.6                                       | 35.1                                      | 58.11      | 8.07       | 0.197      | 48.4           | 10.0                                    | 11.22                                    |
|            | 461                                       | 4.806                                     | 1.476      | 205        | 5.0        | 72.0           | 48.8                                    | 3.42                                     |
| IBO - 9.2  | 9.2                                       | 44.9                                      | 45.87      | 9.65       | 0.197      | 40.3           | 10.5                                    | 9.35                                     |
|            | 496                                       | 6.144                                     | 1.165      | 245        | 5.0        | 60.0           | 51.5                                    | 2.85                                     |
| IBO - 10.1 | 10.1                                      | 44.0                                      | 59.45      | 8.66       | 0.236      | 58.1           | 11.7                                    | 11.22                                    |
|            | 541                                       | 6.025                                     | 1.510      | 220        | 6.0        | 86.4           | 57.2                                    | 3.42                                     |
| IBO - 10.8 | 10.8                                      | 40.0                                      | 63.50      | 6.89       | 0.315      | 86.0           | 16.3                                    | 12.46                                    |
|            | 580                                       | 5.473                                     | 1.613      | 175        | 8.0        | 128.0          | 79.4                                    | 3.80                                     |
| IBO - 11.5 | 11.5                                      | 68.2                                      | 64.68      | 11.81      | 0.197      | 53.8           | 10.0                                    | 12.46                                    |
|            | 620                                       | 9.347                                     | 1.643      | 300        | 5.0        | 80.0           | 48.7                                    | 3.80                                     |
| IBO - 12.7 | 12.7                                      | 65.5                                      | 57.01      | 10.31      | 0.276      | 67.7           | 14.3                                    | 11.22                                    |
|            | 682                                       | 8.973                                     | 1.448      | 262        | 7.0        | 100.8          | 69.6                                    | 3.42                                     |
| IBO - 13.6 | 13.6                                      | 86.8                                      | 60.98      | 11.81      | 0.236      | 64.5           | 12.7                                    | 12.46                                    |
|            | 730                                       | 11.895                                    | 1.549      | 300        | 6.0        | 96.0           | 62.0                                    | 3.80                                     |
| IBO - 14.4 | 14.4                                      | 95.2                                      | 54.13      | 12.60      | 0.236      | 58.1           | 12.9                                    | 11.22                                    |
|            | 772                                       | 13.046                                    | 1.375      | 320        | 6.0        | 86.4           | 62.8                                    | 3.42                                     |
| IBO - 15.5 | 15.5                                      | 87.4                                      | 62.99      | 11.02      | 0.276      | 75.3           | 14.3                                    | 12.46                                    |
|            | 833                                       | 11.976                                    | 1.600      | 280        | 7.0        | 112.0          | 70.0                                    | 3.80                                     |
| IBO - 16.2 | 16.2                                      | 131.0                                     | 57.72      | 16.14      | 0.197      | 53.8           | 11.2                                    | 12.46                                    |
|            | 871                                       | 17.940                                    | 1.466      | 410        | 5.0        | 80.0           | 54.6                                    | 3.80                                     |
| IBO - 16.3 | 16.3                                      | 95.0                                      | 54.13      | 11.42      | 0.315      | 77.4           | 17.2                                    | 11.22                                    |
|            | 878                                       | 13.016                                    | 1.375      | 290        | 8.0        | 115.2          | 83.8                                    | 3.42                                     |
| IBO - 17.4 | 17.4                                      | 107.6                                     | 59.06      | 11.81      | 0.276      | 75.3           | 15.3                                    | 12.46                                    |
|            | 935                                       | 14.733                                    | 1.500      | 300        | 7.0        | 112.0          | 74.7                                    | 3.80                                     |
| IBO - 18.1 | 18.1                                      | 129.3                                     | 58.82      | 14.17      | 0.236      | 64.5           | 13.2                                    | 12.46                                    |
|            | 973                                       | 17.715                                    | 1.494      | 360        | 6.0        | 96.0           | 64.3                                    | 3.80                                     |
| IBO - 18.2 | 18.2                                      | 116.8                                     | 51.73      | 11.81      | 0.315      | 77.4           | 18.0                                    | 11.22                                    |
|            | 978                                       | 16.003                                    | 1.314      | 300        | 8.0        | 115.2          | 87.7                                    | 3.42                                     |
| IBO - 22.6 | 22.6                                      | 144.6                                     | 58.62      | 12.80      | 0.315      | 86.0           | 17.6                                    | 12.46                                    |
|            | 1.217                                     | 19.814                                    | 1.489      | 325        | 8.0        | 128.0          | 86.0                                    | 3.80                                     |
| IBO - 23.3 | 23.3                                      | 163.5                                     | 55.63      | 13.19      | 0.315      | 86.0           | 18.6                                    | 12.46                                    |
|            | 1.250                                     | 22.403                                    | 1.413      | 335        | 8.0        | 128.0          | 90.6                                    | 3.80                                     |
| IBO - 23.5 | 23.5                                      | 180.9                                     | 57.05      | 10.16      | 0.354      | 96.8           | 20.4                                    | 12.46                                    |
|            | 1.261                                     | 24.783                                    | 1.449      | 258        | 9.0        | 144.0          | 99.4                                    | 3.80                                     |
| IBO - 26.8 | 26.8                                      | 207.4                                     | 55.94      | 14.96      | 0.354      | 96.8           | 20.7                                    | 12.46                                    |
|            | 1.443                                     | 28.410                                    | 1.421      | 380        | 9.0        | 144.0          | 101.3                                   | 3.80                                     |
| IBO - 29.9 | 29.9                                      | 250.5                                     | 53.43      | 16.73      | 0.315      | 86.0           | 19.3                                    | 12.46                                    |
|            | 1.607                                     | 34.314                                    | 1.357      | 425        | 8.0        | 128.0          | 94.3                                    | 3.80                                     |
| IBO - 31.0 | 31.0                                      | 230.5                                     | 34.88      | 14.41      | 0.394      | 80.6           | 27.8                                    | 9.35                                     |
|            | 1.669                                     | 31.580                                    | 886        | 366        | 10.0       | 120.0          | 135.6                                   | 2.85                                     |
| IBO - 32.1 | 32.0                                      | 266.5                                     | 52.95      | 16.65      | 0.354      | 96.8           | 21.9                                    | 12.46                                    |
|            | 1.723                                     | 36.508                                    | 1.345      | 423        | 9.0        | 144.0          | 107.1                                   | 3.80                                     |
| IBO - 33.6 | 33.6                                      | 297.6                                     | 50.31      | 17.72      | 0.315      | 86.0           | 20.5                                    | 12.46                                    |
|            | 1.805                                     | 40.771                                    | 1.278      | 450        | 8.0        | 128.0          | 100.2                                   | 3.80                                     |
| IBO - 52.9 | 52.9                                      | 599.8                                     | 41.34      | 21.65      | 0.394      | 107.5          | 31.2                                    | 12.46                                    |
|            | 2.845                                     | 82.164                                    | 1.050      | 550        | 10.0       | 160.0          | 152.4                                   | 3.80                                     |