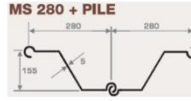
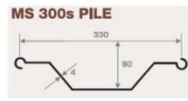


Plastic Trench Pile Installation Information

Specifications Table



CONFIGURATION	MS300s 1.SHEET PILE	MS280+ 2.SHEET PILE	MS280+ 3.CORRUGATED
Density	1.44 to 1.45	1.44 to 1.45	1.44 to 1.45
Weight per metre Kg	2.4 Kg/m	3 Kg/m	3 Kg/m
Tensile strength	44 N/mm ²	44 N/mm ²	44 N/mm ²
Impact (Charpy)	14 kJ/m ²	14 kJ/m ²	14 kJ/m ²
UV Stable	✓	✓	✓
Moment of inertia	629 cm ⁴	2631 cm ⁴	468 cm ⁴
Max moment-ultimate	7.44 kN.m/m	14.9 kN.m/m	4.1 kN.m/m
Section modulus	186 cm ³	339 cm ³	93 cm ³
Modulus of elasticity	2400 N/mm ²	2400 N/mm ²	2400 N/mm ²
PVC K value	68	68	68
Vicat softening point	80°C	80°C	80°C

The Plastic Trench Piles are manufactured in the UK from recycled plastic.

Handling and Driving:

Before installation, ensure that the interlocking clutches are clean and free from distortion or obstructions. All storage, handling, transporting, and pitching of the piles shall be carried out in a manner that prevents significant damage to the piles.

Piling Installation or Extraction:

It is the user's responsibility to ensure the suitability of the piling for the intended ground conditions and required depth. The user must provide sufficient notice (i.e., 24 hours) before the commencement of driving, where applicable. The piles shall be guided and held in position by a temporary gate, with each pile properly interlocked with its neighbor. The piles should not bypass one another instead of interlocking.

A mandrill or leader rig should be used for longer lengths to aid installation and prevent deflection during the pile installation.

At all stages during driving, the free length of the sheet pile shall be adequately supported and restrained. The user must ensure that the sheet piles are driven without significant damage or declutching, whenever possible.

An excavator on its own can be used for the installation. The excavator's bucket should be in a horizontal flat position and can be used to push the trench piles into the ground. To prevent any damage, ensure there is a flat surface at the bottom end of the pushing device, as per specific risk assessment.

Use a spirit level to ensure all trench piles are properly aligned vertically and perpendicularly to the ground.

Clutch Sealant:

Hydrophilic sealants can be used on Plastic sheet piles and should be applied as per the manufacturer's specifications. A Clutch sealant is used to provide additional water tightness. Cut the sealant nozzle to suit the job in hand, hold at an angle, squeeze the trigger, pull the gun down slowly to get an even bead at the desired location, and use a sealant tool for a perfect finish. Allow it to dry.

After Use:

If piles are to be removed or reused, they must be cleaned or jet-washed and stored in a clean, dry place.

Storage:

Plastic sheet piles are to be stored on a flat surface or suitable racking and kept neatly stacked.