



Linlar Log Pile Design Guide

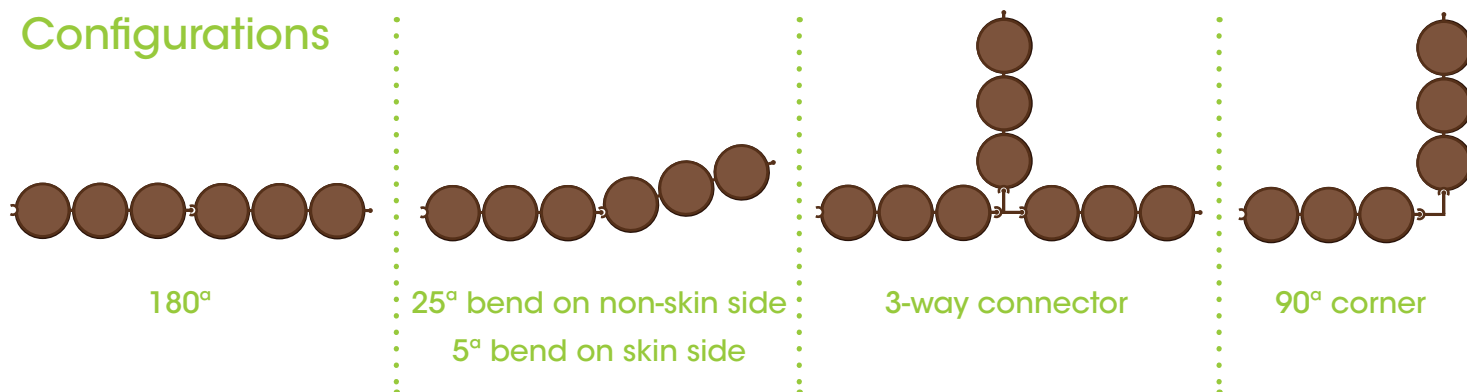
Comprising three 'logs' extruded together from PVCu, with a wood composite finish, log pile is ideal for applications where a 'hard engineering' solution is required but there is a desire for a 'soft engineering' appearance.

Made from recycled material, it's perfect for use in situations where traditional piling options are not practical and equally suitable in natural habitats. Log Pile is stocked in lengths of 750mm, 1.0m, 1.5m, 2.0m and 2.5m. Specials are also available.

Log Pile Technical Engineering Values						
Material PVC	Weight (sheet) kg/m	Weight (wall) kg/m ²	Modulus of Elasticity N/mm ²	Moment of Inertia cm ⁴ /m	Allowable Moment kNm/m Log Pile Only	Allowable Moment kNm/m Log Pile + Softwood Post
	11	25.6	2300	3306	6.67	8.27
Width mm	Material Thickness mm	Depth/Diameter of Section mm	Tensile Yield Strength N/mm ²	Section Modulus cm ³ /m	Allowable Moment kNm/m Log Pile + Hardwood Post	Allowable Moment kNm/m Log Pile + Steel Tube
429	6	132	40	551	11.87	17.15
Physical Properties			Mechanical Properties			

Engineering Values represent results of testing when Piling is installed in the format as illustrated above only. Calculations are based on Tensile Strength of material = 40N/mm². Allowable moment = $\frac{\text{Tensile Yield Strength} \times \text{Section Modulus}}{3}$

Configurations

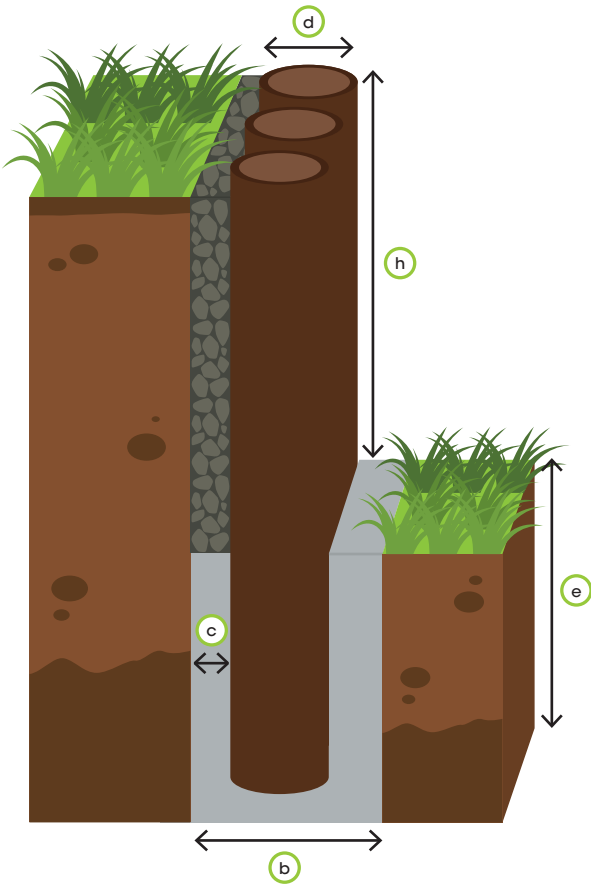


- Can also be filled with concrete/gravel.
- For additional strength, steel reinforcement or a tie-back system can be used.
- Choose any capping of choice, including top caps for individual tubes.

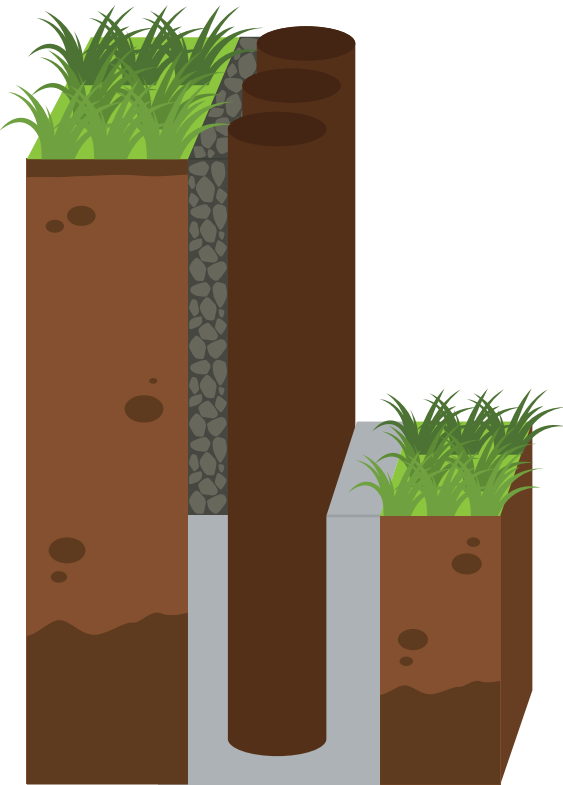
- Colour will evolve naturally over 6-8 weeks before settling to its final state.
- Can be treated with a non-acrylic water-based stain.
- Can use top soil in top few centimetres to allow plants/grasses to grow out of the top.

Technical information

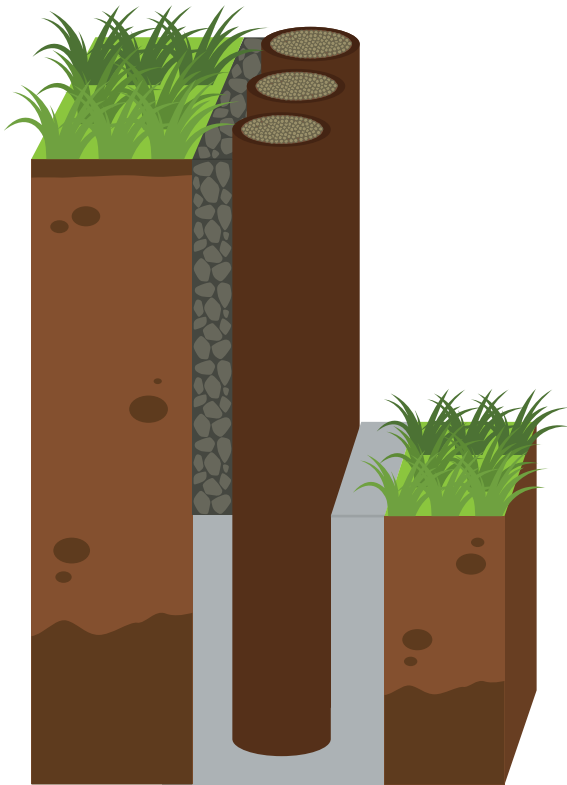
Height above ground level	h	1200mm
Log Pile diameter	d	132mm
Width of footing	b	625mm
Foundation depth	e	960mm
Back fill width	c	250mm



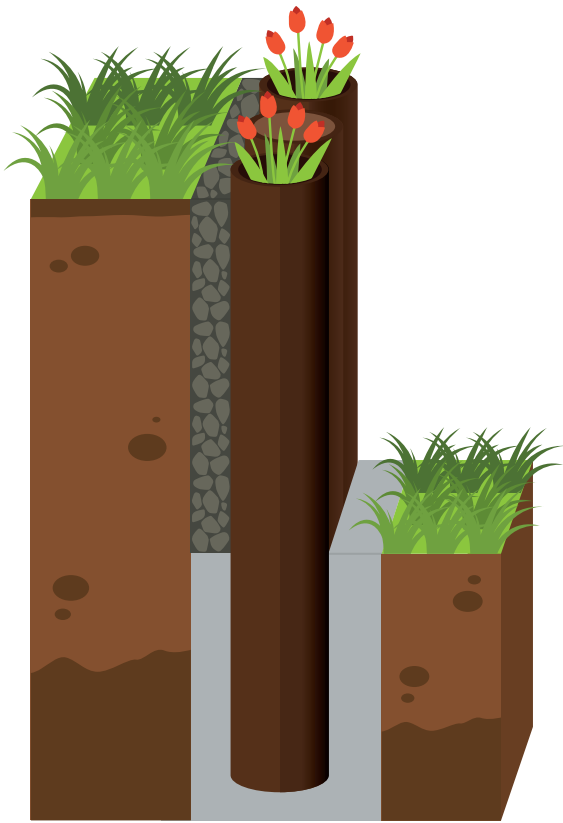
Installation options



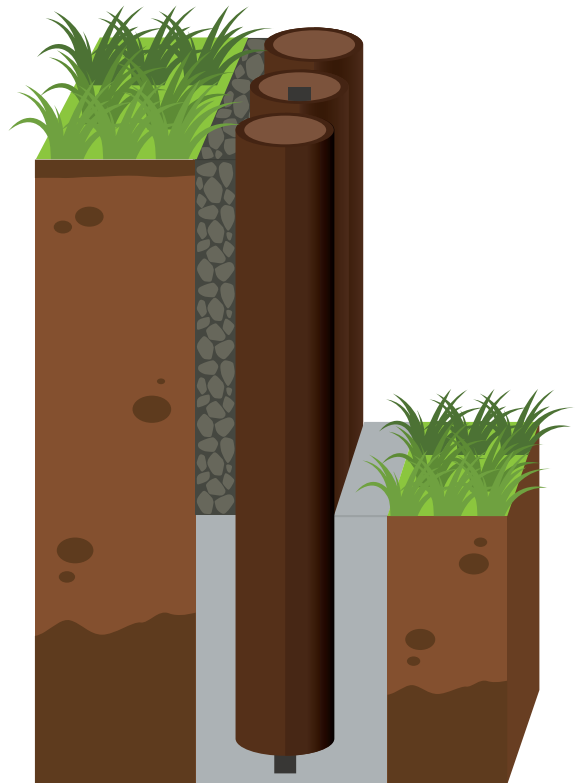
With pile caps



Filled with gravel or concrete

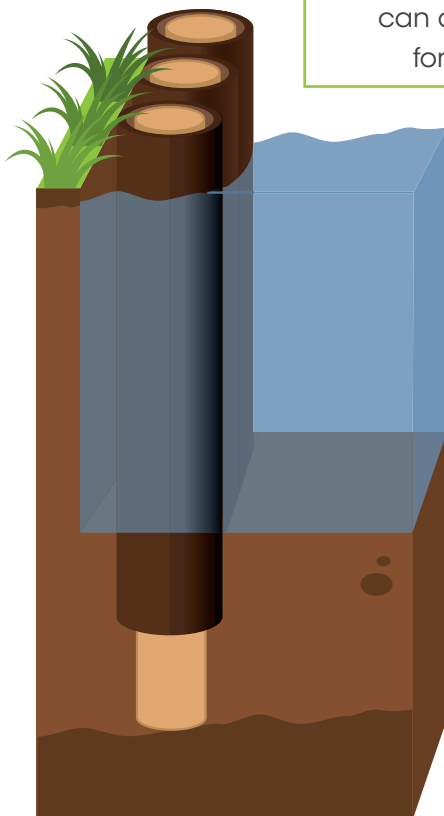


Filled with top soil with plants/grass

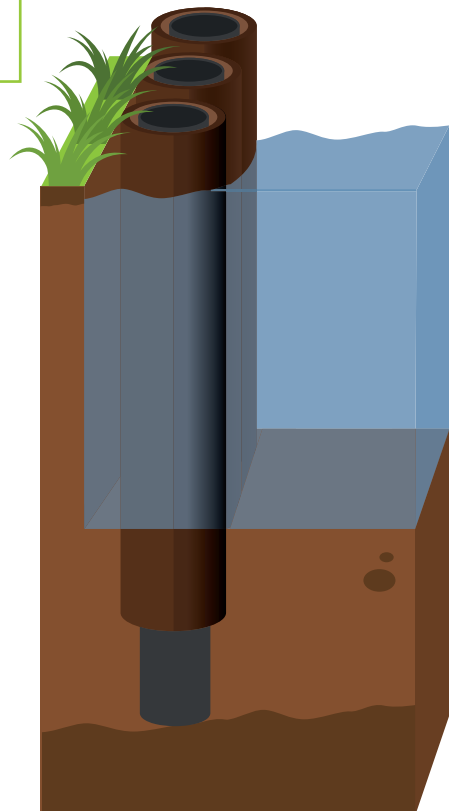


With steel reinforcement

When used in water, log pile can also be tied back for extra strength



With softwood/hardwood posts



With steel tubes

7 great reasons to choose Liniar

Made in Britain – Liniar piling is designed, manufactured and available ex-stock from our state-of-the-art facility in Derbyshire.

Sustainable – Made from 100% recycled and lead-free PVCu, Liniar piling won't rot or rust.

Surprisingly Strong – Lightweight enough to be handled manually, Liniar piling is strong and robust.

Independently Tested – Liniar piling has been tested independently by the TRL for strength, durability and quality.

Supported – A team of experts can advise on the type of piling and installation required for your project.

Quality Assured – The Liniar production facility is backed with ISO 9001 accreditation for your peace of mind.

Accessorised – A range of ancillaries is available to accompany Liniar piling, including caps and connectors.



Liniar

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