

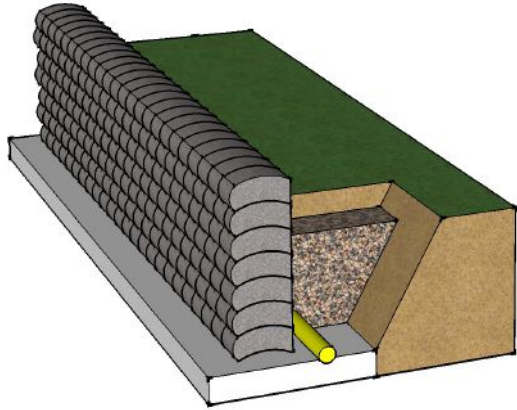
A photograph of a retaining wall made of interlocking concrete blocks, with lush greenery and flowers behind it. The image is partially obscured by a red overlay on the right side.

Porcupine retaining walls

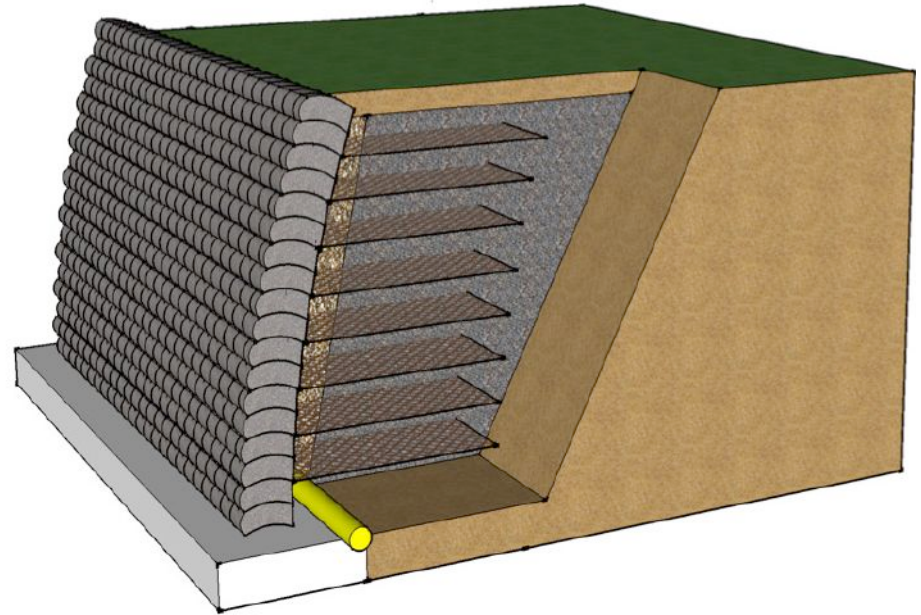
**Everything you need to know about
retaining wall design and engineering
in 4 minutes**



Porcupine retaining wall images

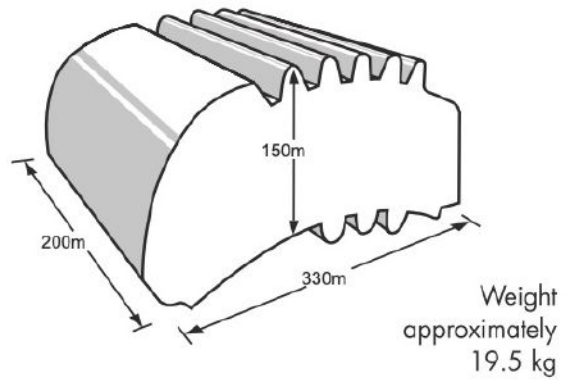


Gravity design



Soil reinforcement design

Porcupine design



STANDARD COLOURS

GREY



CHARCOAL



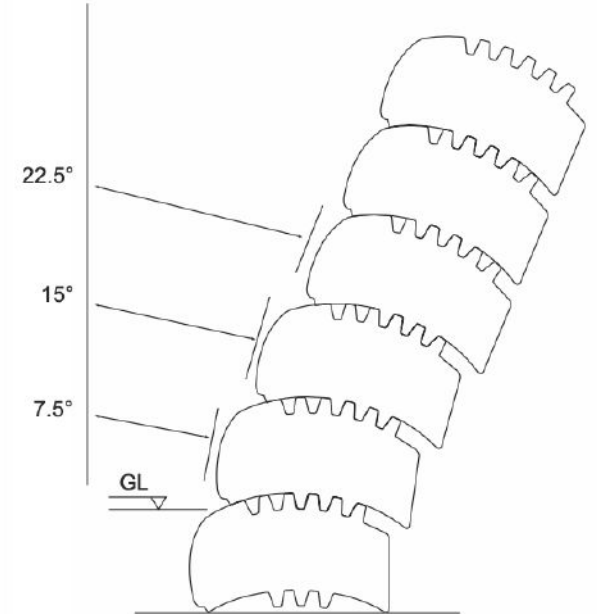
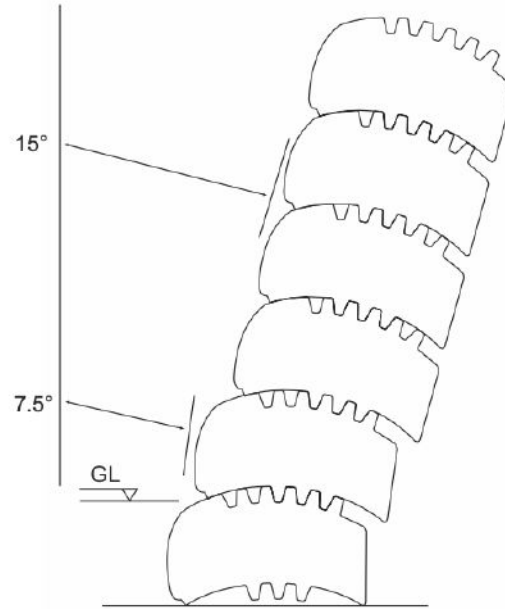
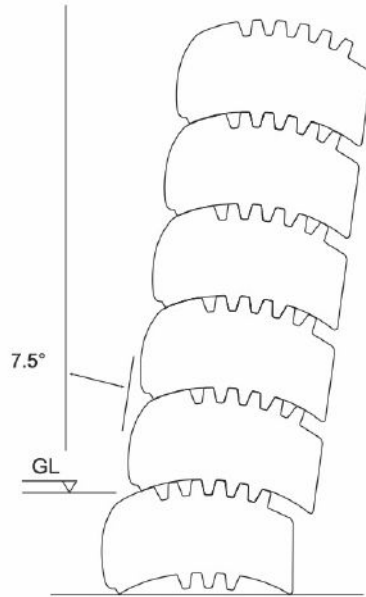
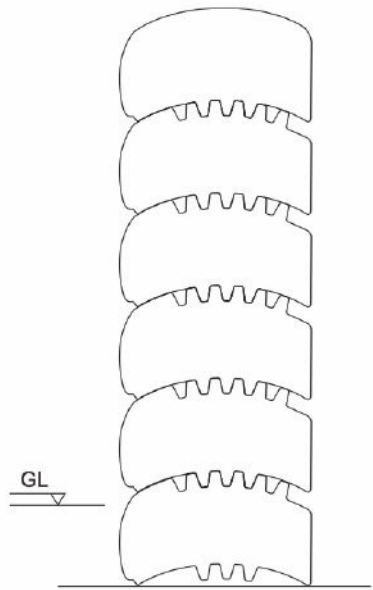
BUFF



RED



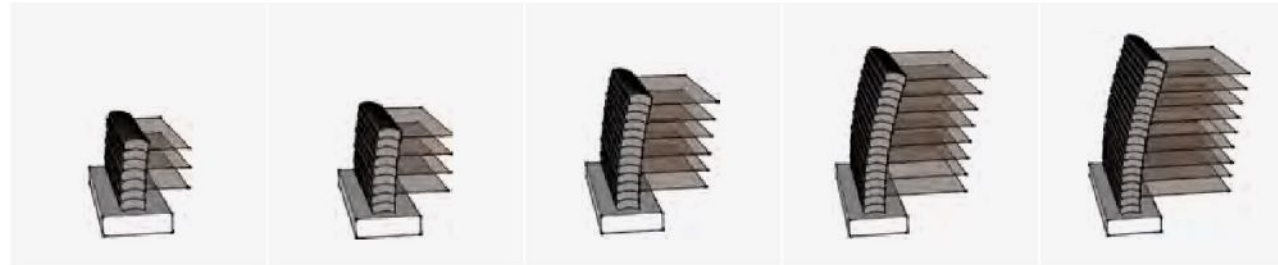
Porcupine blocks



Porcupine configurations

Porcupine block design guide

Height (m)	1.0	1.5	2.0	2.5	3.0
Block height (mm)	150	150	150	150	150
Geogrid length (mm)	1000	1200	1500	1800	2100
Base width (mm)	900	900	900	900	900
Base depth (mm)	150	150	150	150	150
Surcharge	10kn/m ²	10kn/m ²	10kn/m ²	10kn/m ²	10kn/m ²
Factor of safety	M=1.5	M=1.5	M=1.5	M=1.5	M=1.5



Indicative designs based upon a base material with allowable bearing pressure of **>200kPa**.

Retained material is assumed to be well graded, granular backfill with the back of wall drainage or weep holes to relieve hydrostatic pressure.

Design table



Retaining wall design and price guide

Which retaining wall type is the most economical to build? **Download the design guide** to learn more about each retaining wall type and get a price comparison.

[Design price guide](#)
[Ask a question](#)

How much do they cost?

Our simple 3 steps Design process

1 Step 1 - Decide on the type of retaining wall

One of the hardest things to do is to select the right retaining wall type.

Each retaining wall type has pros and cons.

Our support can help you select the right one for your requirements and budget.

2 Step 2 - Design the retaining wall

Our structural engineer is a specialist retaining wall expert. We can turn around retaining wall designs in a matter of days.

You will receive a full retaining wall report, a complete set of calculations, and a sketch showing you the design, including the material specifications.

You will also be protected by our professional indemnity insurance allowing you to sleep at night.

3 Step 3 - Use our supply chain to get the best build price

We have a comprehensive supply chain for the supply only or supply and installation of your retaining wall once it has been designed.

We can prepare material schedules and bills of quantities to give you a budget to work from.

You can save time and money trying to find suitable suppliers and contractors using our service.

Porcupine retaining walls



Bob Evans

The Next Step

- Tell us about your project.
- Complete the form.
- We are here to support you.