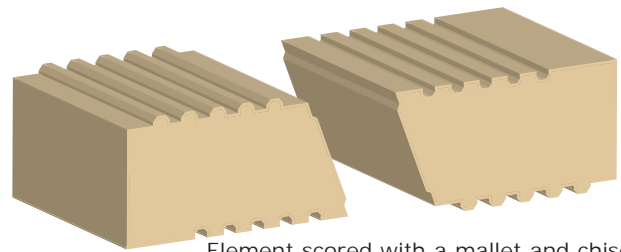
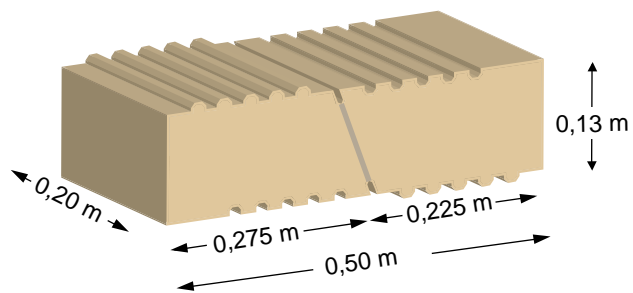




- Low to medium height retention
- Wall cladding
- Protection of dikes and ditches
- Banks of river
- Sound protection barrier

Specifications

- Weight of the single element: 14 kg
- Maximum height: 2.10 m
- Number of elements per m²: 38
- Palette weight: 1568 kg
- Colour: by region



Element scored with a mallet and chisel

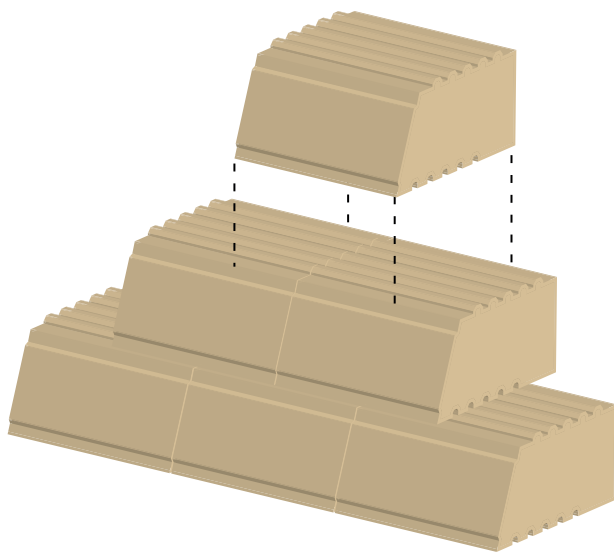


Implementation

After determining the location of the structure, excavate a perfectly horizontal, 600mm wide trench down to firm ground. This depth may vary according to location. The trench should be free from ground water.

Lay a concrete base 100mm thick, placing on this a 400mm wide layer of 200 x 100mm grid size mesh reinforcement. Continue with a further 50mm layer of concrete. Lay the first course in position and check for level and plumb. Haunch the front and rear of the block with a 100mm depth of concrete.

Continue with subsequent courses, with blocks laid in stretcher bond. Backfill with good quality low fines material, this should be free from clay. Compact this in layers of between 100 and 200mm. To the heel of the wall introduce a perforated land drain, this can either discharge into a soakaway or be connected to the local drainage system as dictated by the situation or local regulations. Concave or convex curves can be easily formed without cutting the blocks.



The allowable heights

ϕ	β	H maxi	Number of rows	Wall substructure
35°	0°	2,10 m	16	40 kN/cm ²
35°	20°	1,82 m	14	40 kN/cm ²
30°	0°	1,60 m	12	35 kN/cm ²
30°	20°	1,20 m	9	30 kN/cm ²

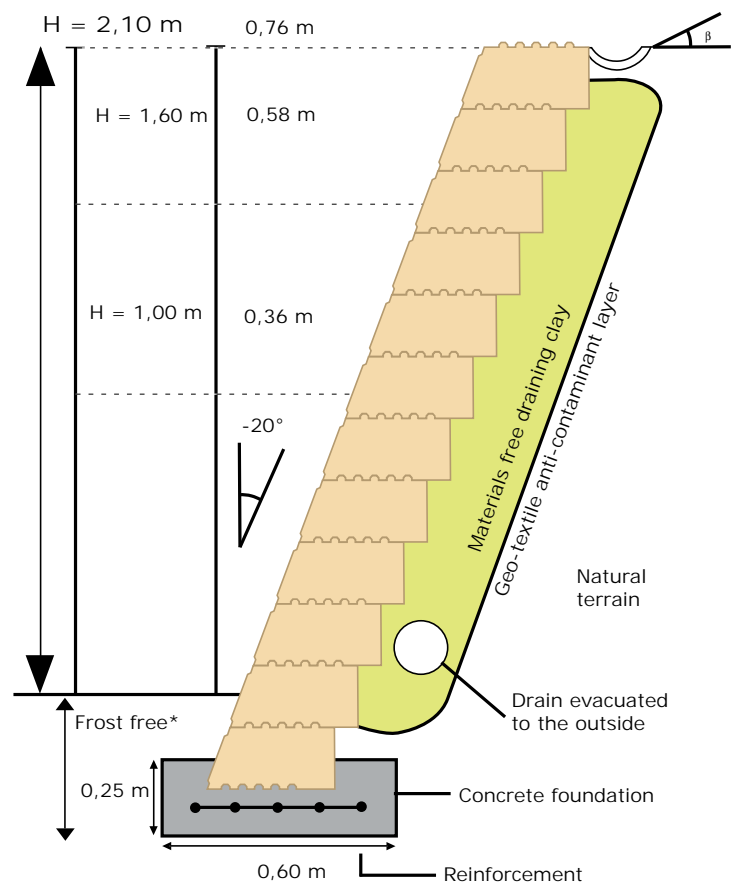
ϕ 35° - good quality soil, mudstone, compact ground, gravel and sand

ϕ 30° - land average with a maximum of 10% clay

ϕ - angle of internal friction of ground

β - angle of the slope upstream

Si $\beta = 0$, horizontal overload taken into account: GARDEN



* variable depending on the geographic region

The land on which the structure will be assembled must be verified by an Approved Geotechnical Engineer to validate the design. Our responsibility is limited to products provided. The quality of foundation soil, slope faces, backfill and the installation are the responsibility of the Employer or Contractor and under no circumstances BETOCONCEPT[®].