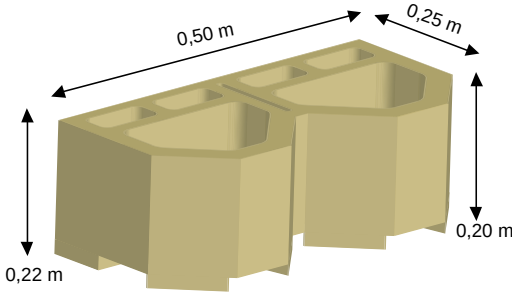
BETOFLOR®

TECHNIQUE BY NATURE

- Earth retaining walls
- Boundary walls
- Slope remodelling
- Noise bunds
- Sand traps



Through coloured mineral pigments manufactured to a specialised mix design under controlled conditions guaranteeing high mechanical strength.

Technical features

- Weight of empty element: 23 kg
- Weight of full element: 50 kg
- Packaging: 4.80 m²/pallet
- Units per m²: 10
- Weight per m²: 500 kg
- Maximum height: 2.40 m
- Wall inclination: -22°

A simple and elegant solution

The elements are connected to each other without intermediate void via a system of patented lugs. The earth filling the cells can be vented to the exterior. The contact surfaces are concrete on concrete maximising the load distribution capability.

The assembly allows dry filtration runoff and prevents the creation of pockets of hydrostatic pressure. BETOFLOR® protects against the erosion of surface materials that otherwise rely upon their own shear resistance for stability.

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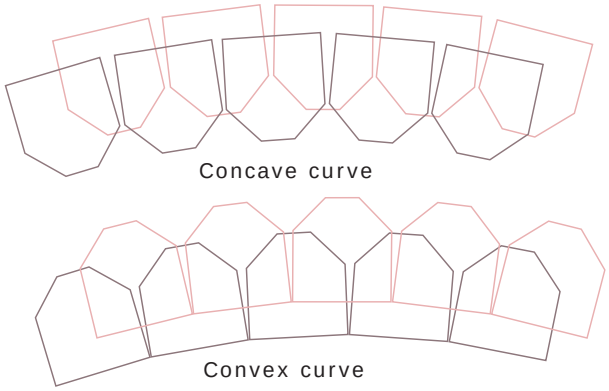
The allowable heights

φ	β	H maxi	Number of rows	Wall substructure
35°	0°	2,40 m	12	0,30 kg/cm²
35°	20°	2,00 m	10	0,40 kg/cm²
30°	0°	1,80 m	8	0,30 kg/cm²
30°	20°	1,20 m	6	0,30 kg/cm²

If ß=0, the default horizontal surcharge is GARDEN.

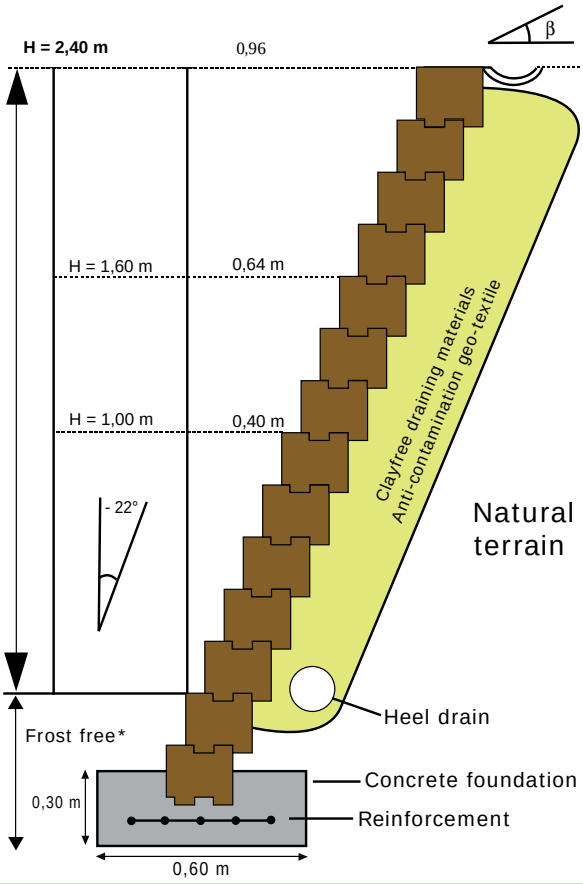


Construction

Dig a trench 600 mm wide and 600 mm deep, subject to site conditions. Pouring a full foundation of reinforced concrete 600 mm wide and 300 mm thick.

The first row of BETOFLOR® will be embedded, perfectly horizontal and recessed about 100 mm into the fresh foundation concrete.
Install a heel drain at the bottom of the wall on the outside or connected to the storm drain. Elements automatically fit inside one another. Fill the cell with topsoil.

At the rear of the wall, backfill with free draining friable clay, compacted in layers from 100mm to 200mm as work proceeds. If the excavation seaps water pump clear from the works.



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®.

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