

# Waterlöffel®

Retaining Systems

Waterlöffel® is a versatile, interlocking, dry-stack concrete retaining system.



Umhlanga Rocks

**SABS**  
ISO 9001

# Product features

Waterlöffel® is a versatile, interlocking, dry-stack concrete retaining system purposely designed to combat:

- Coastal dune erosion by wave action and wind
- River bank erosion in water courses by seasonal storms
- Erosion of stormwater outlets.

## Other uses for Waterlöffel® in construction:

- Sea walls
- Coastal promenades
- Beach-access ramps
- Bio-filters
- Dam walls
- River weirs
- Marina waterways
- Canals.

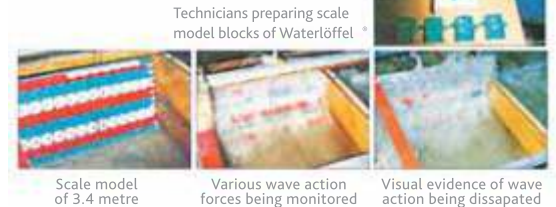
**Environment** - Waterlöffel® is eco-friendly and has passed all environmental impact studies linked to projects that have been completed to date.

**Technical advice** - Waterlöffel® walls are design-intensive and as the manufacturers of this specialised product, we recommend that you use the services of a recognised geotechnical or hydraulic engineer to design your projects.

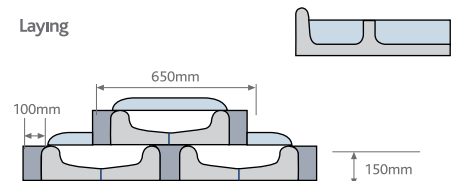
**Note** - This leaflet serves as a guideline only. For specific applications please make use of our free technical service.

Technical Data	WL650
Mass per block - approx.	72 kg
Length	650mm
Width minus wings	450mm
Width with wings (100mm each)	650mm
Height	150mm
Number of blocks per m <sup>2</sup>	
- Straight line	11
- Curved structures	12
Standard wall angle	65°

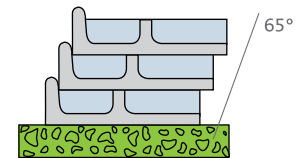
Wave tunnel testing carried out at the CSIR's Division of Earth, Marine and Atmospheric Science and Technology - University of Stellenbosch



## Laying



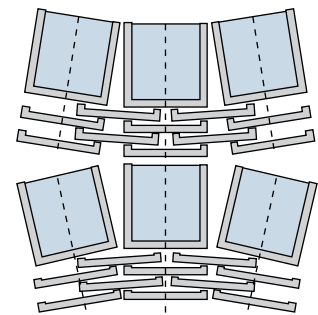
## Wall angle options typical of the WL650



## Curvatures typical of the WL650

Convex

Concave



## Typical cross-section of a sea-wall

