

# Waterlöffel®



**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 storm water outlets

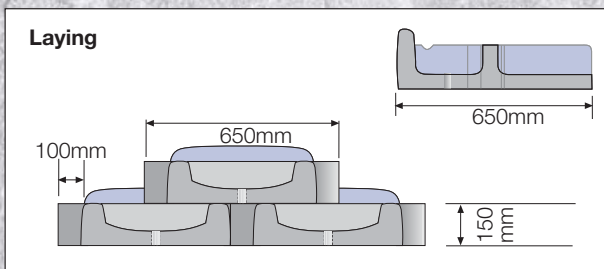
**Other uses of Waterlöffel® in construction :-**

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

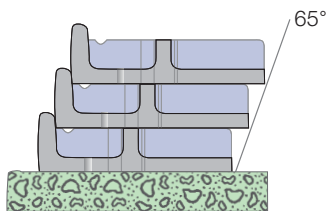
**Environment** - Waterlöffel® is eco-friendly and has passed all environmental impact studies linked to projects that have been completed to date.

**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.

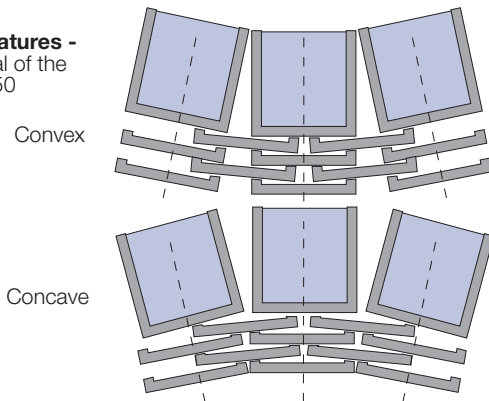
**Note** - This leaflet serves only as a guideline. For specific applications please make use of our free technical service.



**Wall angle** - typical of the WL650



**Curvatures** - typical of the WL650

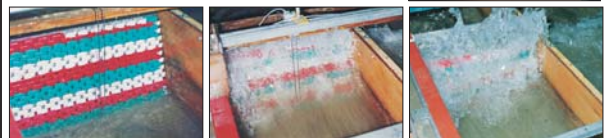


Note: The photographs in this brochure do not necessarily reflect actual product colours.

Technical details	WL650
Mass per block	72kg
Length	650mm
Width minus wings	450mm
Width with wings (100mm each)	650mm
Height	150mm
No. 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**

Technician preparing scale model blocks of Waterlöffel®

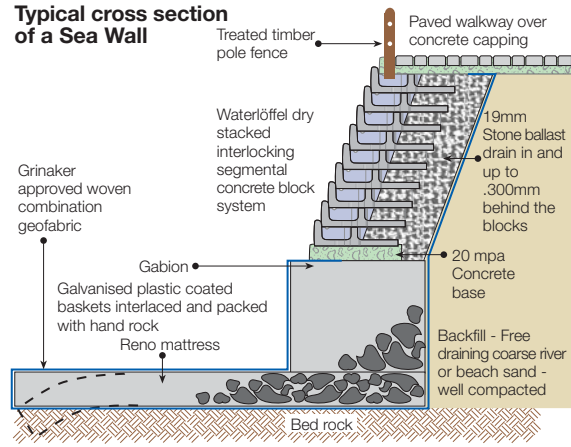


Scale model of 3.4 metre high Waterlöffel wall

Varied wave action forces being monitored

Visual evidence of wave action being dissipated

**Typical cross section of a Sea Wall**



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