

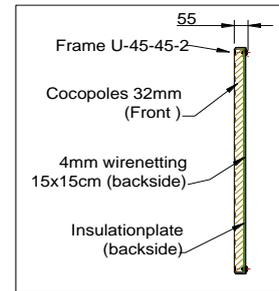
## Technical Specifications of Parts & Materials KOKOWALL LITE A2



Frontside



Backside



### Dimensions and pattern Kokowall LITE Barrier:

- Standard pattern:  $W_{\text{pattern, standard}} = \text{panel width: } 2,490\text{mm}$  (hart on hart 2.500mm).
- Any other size smaller than 2,49 can be supplied
- Maximum height:  $h_{\text{max}} = 3$  metres starting from ground level (2 +1m stacked panels)
- Maximum panel height:  $h_{\text{paneel, max}} = 2,5\text{m}$  (with hoh = 2m ! )
- For a Kokowall LITE noise barrier measuring higher than 2,5 metres (starting from the ground level) the height is divided into 2 or more stacked panels.

### Steel Construction:

- *Style of Foundation column:*  
Taking into account the barrier's height, IPE80-120, or HEA100-140 are applicable - St. 37-2 hot-dip galvanised (EN1461) with pre drilled mounting holes, diameter 8 mm, DIN 17100 quality standard. Optional powder coating in any desired colour.

### Panels:

- Framework made of cold-rolled U-45-45-2, profile St. 37-2, hot-dip galvanised EN1461, quality standard DIN 17100.
- Sound insulation, single number descriptor reading - NEN-EN-ISO-717-1:  $R_w = 30\text{dB(a)}$  - EN 1793-2, Category B3 ( $D_{1\alpha} = 25\text{dB}$ ). Please see attachment TNO Sound Insulation reading.
- Sound Absorption, single number descriptor reading - NEN-EN-ISO-717-1:  $D_{1\alpha} = 6\text{dB(a)}$  - EN 1793-1, Category A2 . Please see attachment TNO Sound Absorption reading.
- At Kokowall side  $\varnothing 32\text{mm}$  cocopoles  $\pm 23$  psc. /  $\text{m}^1$
- At backside: a plastisol steelplate 0,75mm, fixed by a galvanised wire-netting  $\varnothing 4\text{mm}$  maze 15x15cm.
- Mass of panels: 16 –20  $\text{kg}/\text{m}^2$  depending on size
- Dimensions panels:
 

Standard panel :	2.490 x 2.000mm or 2000 x 2.500mm
Allowable placement tolerance:	$T_{\text{pl, panel}} = 5\text{-}10$ mm (in relation to $W_{\text{pattern}}$ )
Maximum height panel:	$h_{\text{panel, max}} = 2,500$ mm

### Joint materials:

- Attachment panels, per item:  
6 x self-tapping hexagon shoulder pin ST.6,3 x 38 mm - DIN 7405K

### Concrete gravelboard:

- Positioned under the panels for support, for limited slopes or for obtaining correct height. Enforced with 2 x concrete iron wire  $\varnothing 8\text{mm}$
- Dimensions Standard 2.500 x 300 x 35mm (can easily be cut with a grinder to desirable size)

### Synthetic material:

- Recycled fire-retardant ABS, pipes diameter  $\varnothing 32$  mm, wrapped in coconut fibres.
- Compriband 15mm self-adhesive cellular rubber.

### Coconut:

- Coconut fibres serve as a bonding substrate for several climbers' aerial roots.
- Treated with Sepulchre Firestop. Fireproofed according to NEN6065 Flame Spread Category 2.