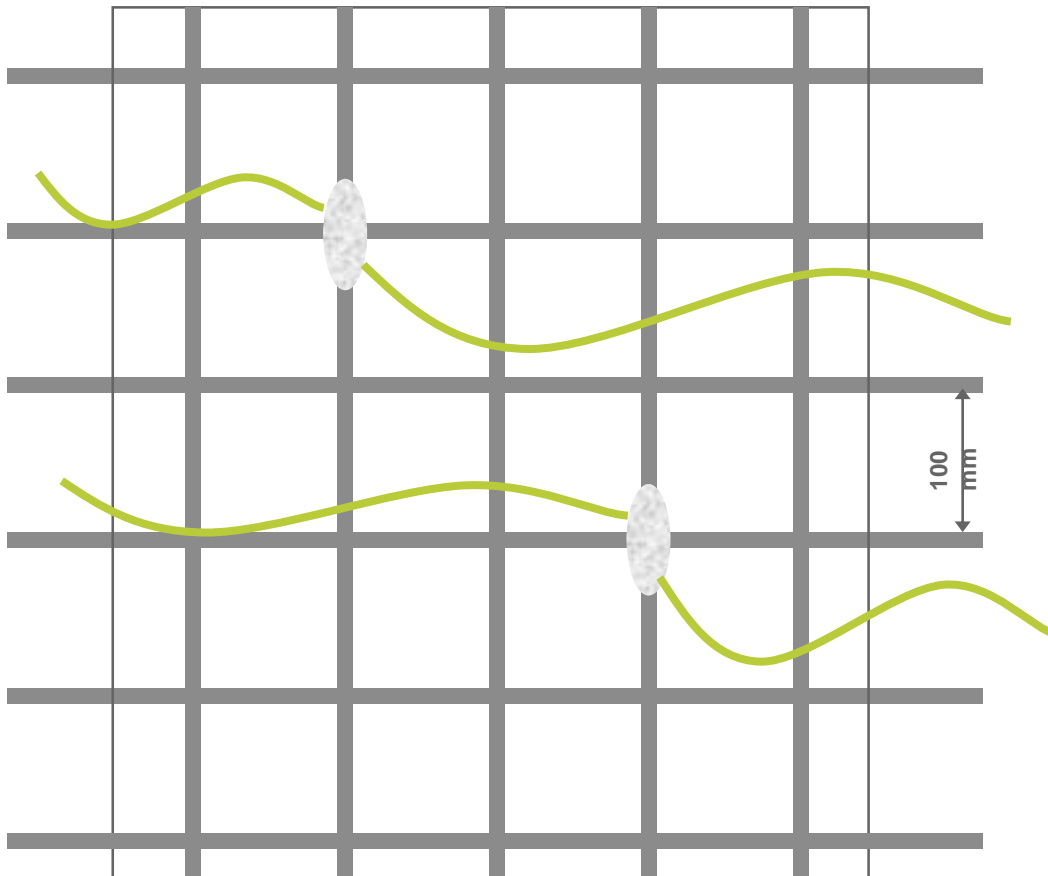
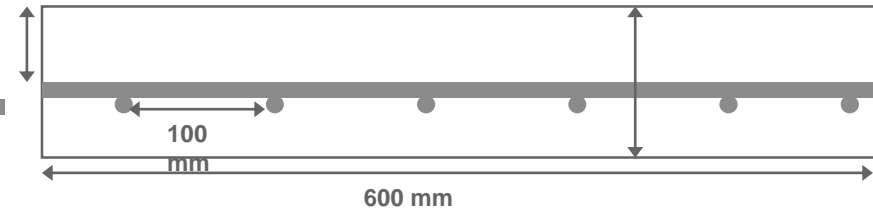
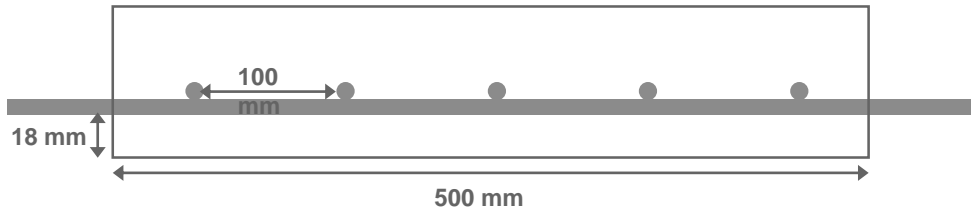


Corrosion Testblock

Geometry

Two sides with different cover thickness



Two layers 16mm rebar / 10cm
Expected weight ≈ 75 Kg



Mortar layer 5 NaCl%



Mortar layer 2 NaCl%

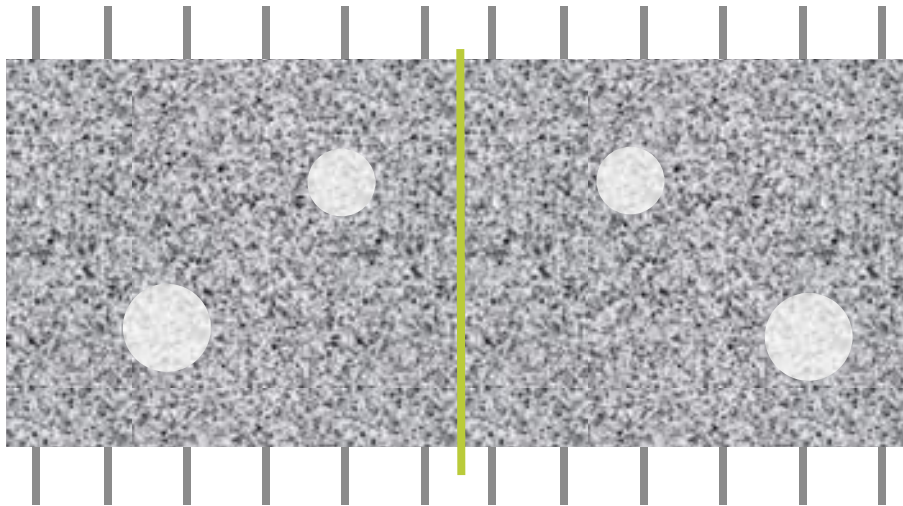


Moisturizing system

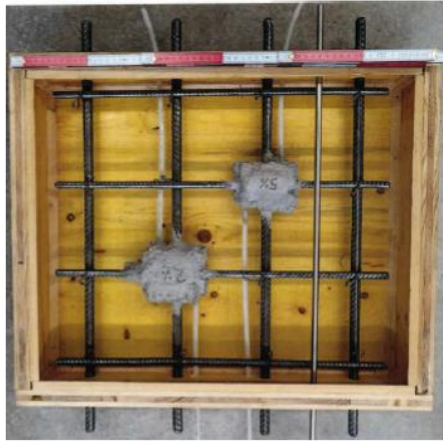
Plastic tubes are to be included in the concept in order to be able to provide the required moisture to the concrete around the hot spots (thus enabling the blocks to be used throughout the years by simply re-igniting the local corrosion when needed)

Dual Plate Arrangement

- Possible to arrange the two panels vertically or horizontally for simulating walls and slabs (electrical wiring between panel's reinforcement and electrolytic conductive element between the slabs)
- Total length of 120 cm useful for using wheel electrode
- Two sides of each panel available for direct concrete cover effect evaluation



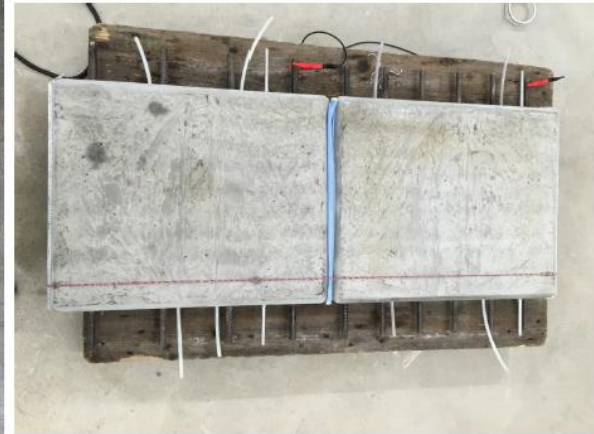
Side with Cover 54mm



15x15cm $\varnothing 12\text{mm}$ (1st layer), $\varnothing 16\text{mm}$ (2nd layer).
Cover = 54mm



10x10cm $\varnothing 10\text{mm}$ (1st layer), $\varnothing 14\text{mm}$ (2nd layer).
Cover = 54mm



Measured surface resistivity: 3-6 k Ωcm



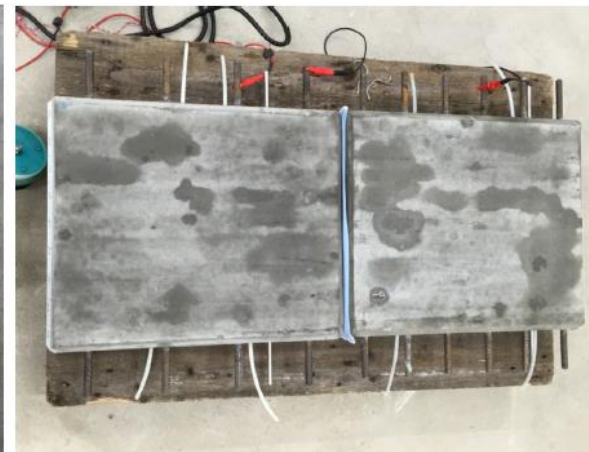
Side with Cover 18 mm



15x15cm Ø16mm (1st layer), Ø12mm (2nd layer).
Cover = 18mm



10x10cm Ø14mm (1st layer), Ø10mm (2nd layer).
Cover = 18mm



Measured surface resistivity: 3-6 kOcm

