

# Concept balconies

## IN ULTRA HIGH PERFORMANCE CONCRETE



HiCON®

HIGH PERFORMANCE CONCRETE

# What are concept balconies?

Hi-Con concept balconies offer a slender, elegant and competitive solution, which is the world's first series-produced standard balcony in UHPC for new build. Until now Hi-Con has been specialized in creating bespoke balconies. However, the concept balconies make it possible for Hi-Con to create a standard solution in ultra high performance concrete.

The concept balconies are CE-marked and can be made in dimensions from 1,6 x 2,6 meters to 2 x 5 meters in the colors grey and light and with four different surfaces to choose from. The concept balconies are supplied with brackets, but can also come in a package solution with railings and mounting.

The balconies can be made with different draining: Fall over the front edge, vagrant or water spout. It is not, however, possible to design the balconies with kerbs or parapets.



The balconies on the photo are an illustrative example of balconies, which look almost like concept balconies.

# DIMENSIONS

Dimensions with simply supported slabs with two brackets and two struts placed 100 mm from the ends. The brackets must be placed with free access from any concrete openings.

	<b>1,6 m (W)</b>	<b>1,8 m (W)</b>	<b>2,0 m (W)</b>
<b>2,6 m (L)</b>	Front edge (from): 60 mm	60 mm	60 mm
	Back edge: 76 mm	78 mm	80 mm
<b>3,2 m (L)</b>	Front edge (from): 65 mm	65 mm	65 mm
	Back edge: 81 mm	83 mm	85 mm
<b>3,8 m (L)</b>	Front edge (from): 80 mm	80 mm	80 mm
	Back edge: 96 mm	98 mm	100 mm
<b>4,4 m (L)</b>	Front edge (from): 95 mm	95 mm	95 mm
	Back edge: 111 mm	113 mm	115 mm
<b>5,0 m (L)</b>	Front edge (from): 115 mm	115 mm	115 mm
	Back edge: 131 mm	133 mm	135 mm

# BUILD YOUR BALCONY

## SURFACES



Gian 2



Gian 2s



Gian 4



Gian 6

## RAILINGS



Sketch 1 - Painted



Sketch 2 - Galvanized

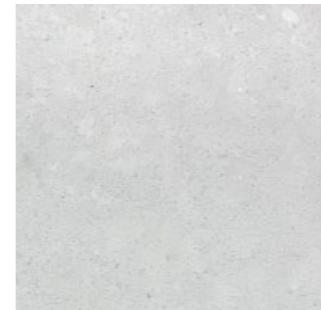


Sketch 3 - Clear glass

## COLORS



Grey



Light

# ADVANTAGES WITH CONCEPT BALCONIES IN ULTRA HIGH PERFORMANCE CONCRETE

- COMPETITIVE PRICES
- ELEGANT AND MINIMALISTIC DESIGN
- BALCONY SLAB MEASURING DOWN TO 60 MM IN THICKNESS
- +100 YEARS DURABILITY
- LOW WEIGHT
- FAST DELIVERY
- FAST AND SIMPLE MOUNTING
- MAINTENANCE-FREE BALCONIES
- FIREPROOF MATERIAL
- COMPLETE SOLUTION
- 25% LESS CO<sub>2</sub> EMISSION COMPARED TO CONVENTIONAL CONCRETE
- CE-MARKED BALCONIES
- 5 YEARS GUARANTEE ON DELAMINATION ON GLASS



The balcony on the photo is an illustrative example of a balcony which looks almost like a concept balcony.



*The building was originally designed with steel balconies, but in our dialogues with Hi-Con we discovered that it was possible to design the building with balconies in UHPC to competitive prices, which are both slender and elegant to look at.*

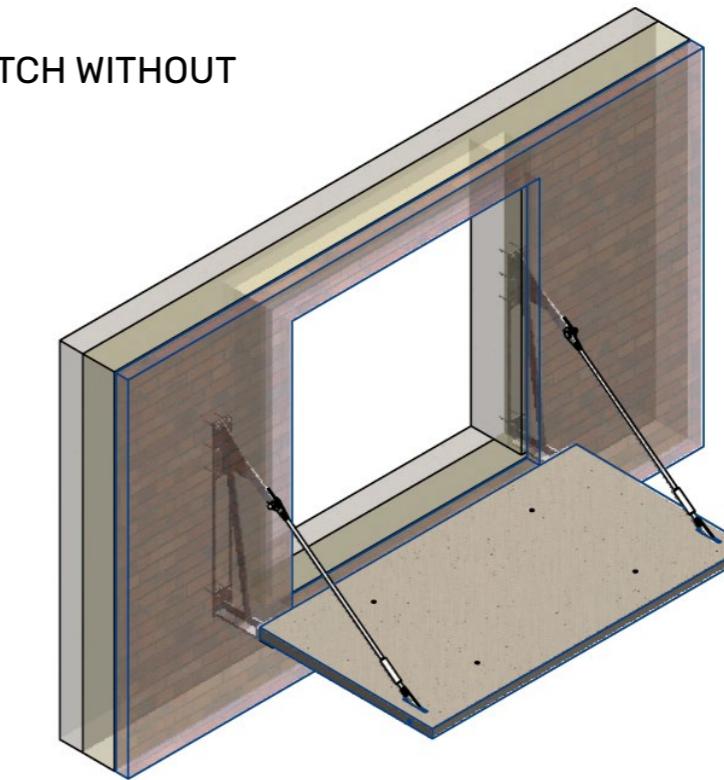
**Thomas Honoré  
Project Manager, Raundahl & Moesby**



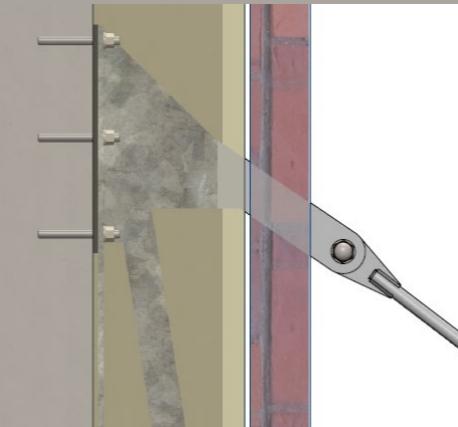
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## DETAIL DRAWINGS

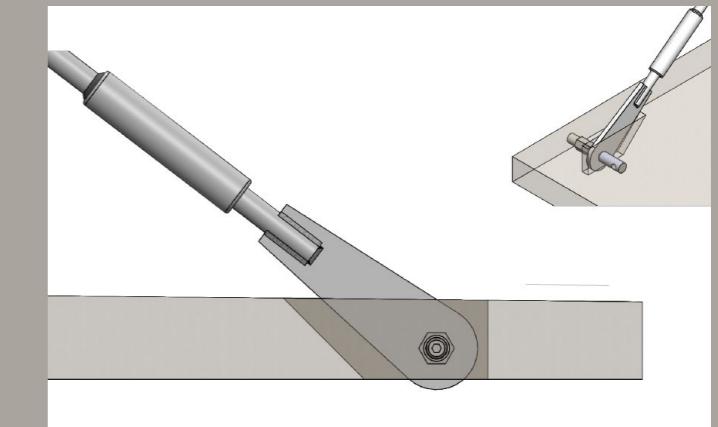
BALCONY SKETCH WITHOUT RAILING



FACADE BRACKET



BOTTOM BRACKETS & STRUTS



Ultra High Performance Concrete (UHPC) is a type of concrete that is characterized with a strength interval of 130-200 MPa and thereby distinguish itself from other types of concrete like fiber concrete and high performance concrete, which have a strength interval of 50-90 MPa. When you use UHPC you are offered a light and slender solution and you avoid complicated joints. Furthermore, UHPC offers a maintenance-free solution and a fireproof construction, which can be shaped and designed without any limits.



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