

# Concept balconies

## IN ULTRA HIGH PERFORMANCE CONCRETE



**HiCON<sup>®</sup>**

*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.







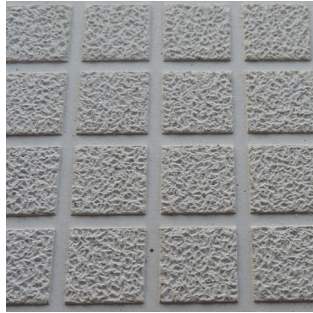
# BUILD YOUR BALCONY

## SURFACES

UHPC can be customized to the aesthetic expression you desire. Our surfaces enhance the balcony's aesthetic appeal while also functioning as anti-slip.



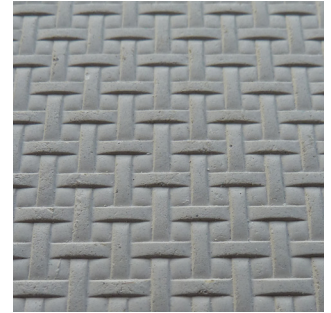
Gian 2



Gian 2s



Gian 4



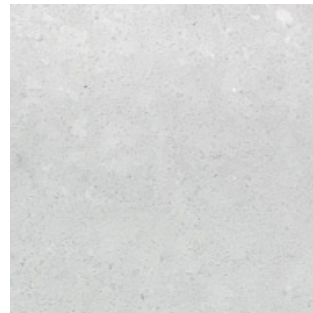
Gian 6

## COLORS

The standard colors are gray and light gray, but there is also the possibility of coloring the concrete.



Grey



Light



# MORE RAILINGS - MORE OPTIONS

As a standard, we offer 10 types of railing for our standard solution. Below, you can see a selection of illustrative examples of our railing solutions for our concept balconies.



## **Type 1**

Galvanized (or painted) bannister with round steel balusters and extra runner.

## **Type 6**

Painted (or galvanized) bannister with flat steel balusters



## **Type 7**

Painted (or galvanized) glass railings in terminal



# 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 MATERIAL
- FIREPROOF SOLUTION
- COMPLETE SOLUTION
- 25% LESS CO2 EMISSION COMPARED TO CONVENTIONAL CONCRETE
- CE-MARKED BALCONIES
- 5 YEARS GUARANTEE ON DELAMINATION ON GLASS





Concept balconies, Risskov Engby







*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**

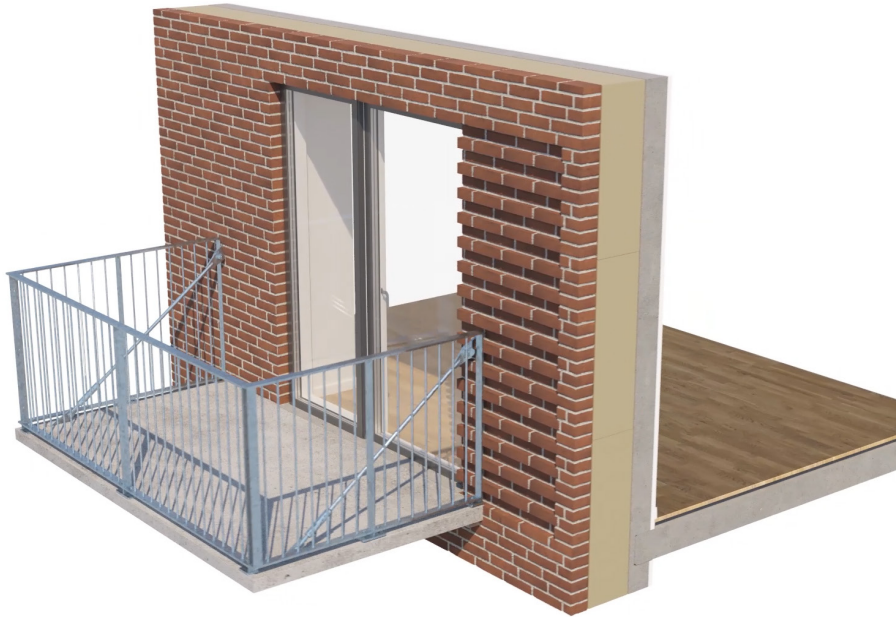
# DIMENSIONS

	1,6 m (B)	1,8 m (B)	2,0 m (B)
2,6 m (L)	Forkant: 60 mm Bagkant: 76 mm	60 mm 78 mm	60 mm 80 mm
3,2 m (L)	Forkant: 65 mm Bagkant: 81 mm	65 mm 83 mm	65 mm 85 mm
3,6 m (L)	Forkant: 80 mm Bagkant: 96 mm	80 mm 98 mm	80 mm 100 mm
4,4 m (L)	Forkant: 95 mm Bagkant: 111 mm	95 mm 113 mm	95 mm 115 mm
5,0 m (L)	Forkant 115 mm Bagkant 131 mm	115 mm 133 mm	115 mm 135 mm

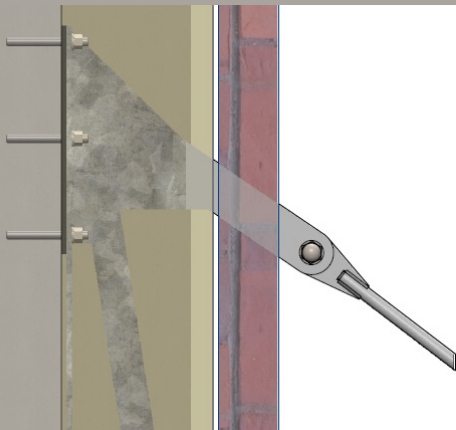


# DETAIL DRAWINGS

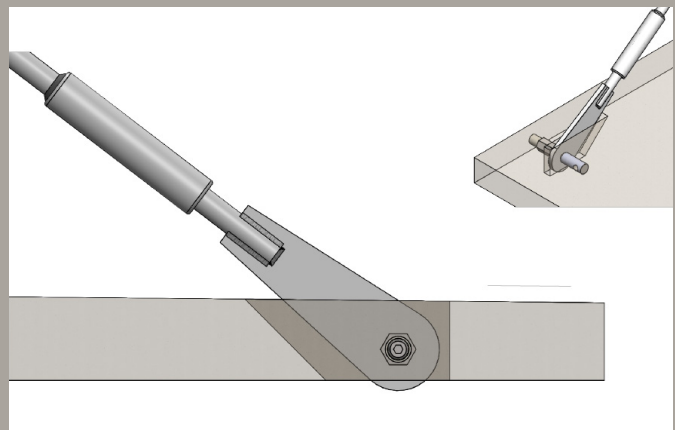
## BALCONY SKETCH WITHOUT RAILING



### 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 strenght 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.



*HIGH PERFORMANCE CONCRETE*

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