

HiCON



# CONCEPT BALCONIES

in ultra high performance concrete



Hi-Con's concept balconies, Risskov Engby, Denmark.

# WHAT IS A CONCEPT BALCONY?

Hi-Con's concept balconies are designed to be a slender, elegant, and competitive solution for construction projects. Made from Ultra High Performance Concrete (UHPC) CRC i2, Hi-Con's own material, these are Denmark's first standardized balconies in UHPC. UHPC is characterized by its unique combination of strength and durability, making it an ideal choice for those seeking high quality and a long lifespan.

## ADVANTAGES OF CONCEPT BALCONIES IN UHPC:

- Competitive prices
- Elegant and minimalistic design
- Plate thickness down to 60 mm
- The material has a lifespan of 100+ years
- Low weight
- Fast delivery and simple installation
- Maintenance-free balcony slabs
- Fire resistant material
- 22.8% less CO2 impact than a steel balcony
- CE-marked balconies
- Complete solution

# CUSTOMIZE YOUR BALCONY

Hi-Con's concept balconies offer customization options, allowing you to choose the design and aesthetic expression that best suits your project. The balcony is available in sizes ranging from 1.6 x 2.6 meters in depth/width to 2 x 5 meters in length.

## SURFACES

Our surfaces enhance the balcony's aesthetics and simultaneously provide anti-slip functionality. You can choose between four different surfaces.



Gian 2



Gian 2s



Gian 4



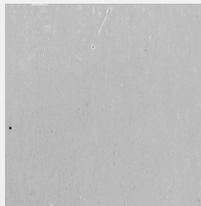
Gian 6

## COLORS

The concept balcony comes in the standard colors gray and light.



Gray



Light





# MORE RAILINGS - MORE OPTIONS

As a standard, we offer 5 different railing designs with 10 combination options for our concept balconies, available both painted and galvanized. Below you can see a selection of illustrative examples of our railing solutions. You can find the full overview of all our railing solutions on our website.



Type 1

Galvanized or painted railing with round steel balusters and extra runner.

Type 6

Painted or galvanized railing with flat steel balusters.



Type 7

Painted or galvanized glass railings in terminal.





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*“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 at competitive prices, which are both slender and elegant.”*

Thomas Honoré

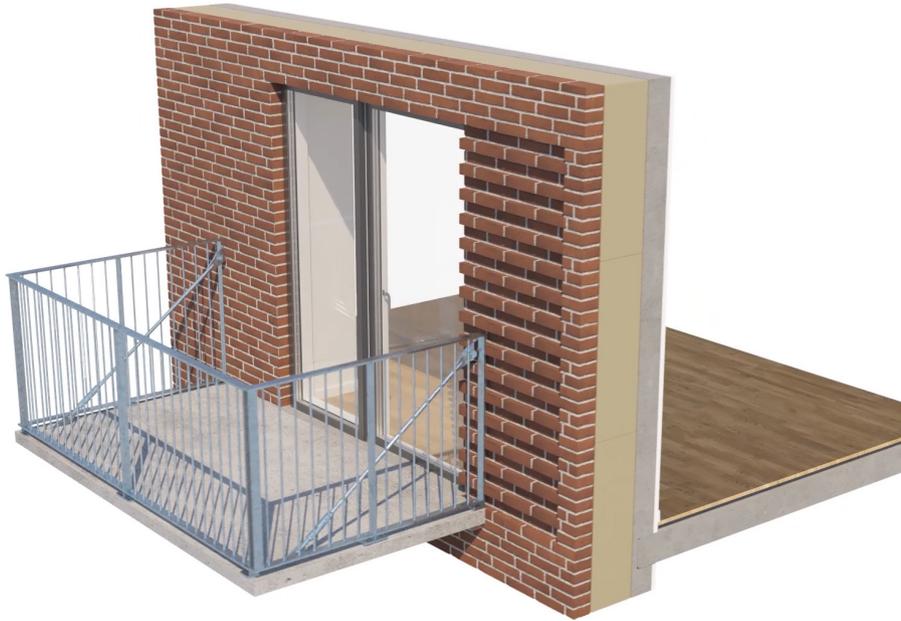
Project Manager, Raundahl & Moesby

# DIMENSIONS

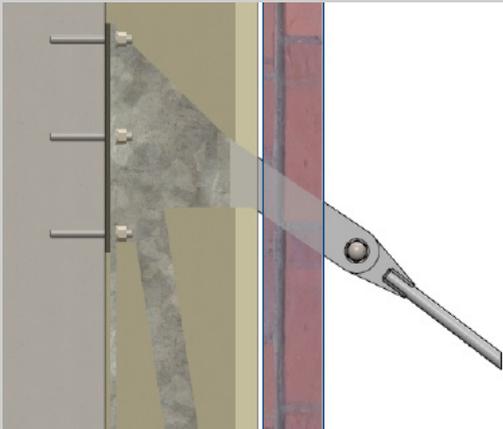
	1,6 m (B)	1,8 m (B)	2,0 m (B)
2,6 m (L)	60 mm - 76 mm	60 mm - 78 mm	60 mm - 80 mm
3,2 m (L)	65 mm - 81 mm	65 mm - 83 mm	65 mm - 83 mm
3,6 m (L)	80 mm - 96 mm	80 mm - 98 mm	80 mm - 100 mm
4,4 m (L)	96 mm - 111 mm	95 mm - 113 mm	95 mm - 115 mm
5,0 m (L)	115 m - 131 mm	115 mm - 133 mm	115 mm - 135 mm

# DETAIL DRAWINGS

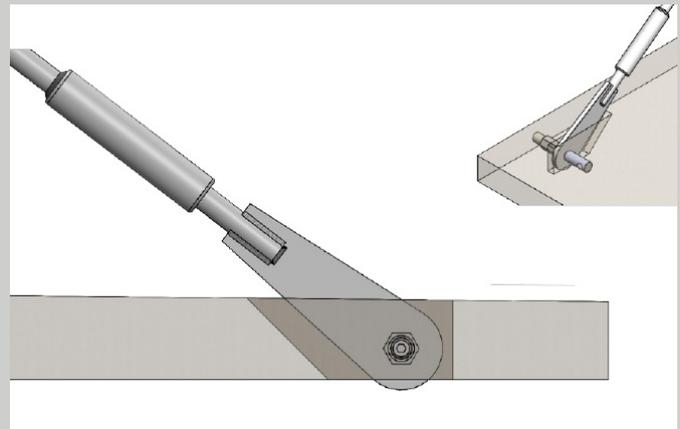
## BALCONY SKETCH WITHOUT RAILING



FACADE BRACKET



BOTTOM BRACKETS & STRUTS



Ultra High Performance Concrete (UHPC) is a type of concrete characterized by a strength range of 130-200 MPa, distinguishing it from other types of concrete such as fiber concrete and high-strength concrete. 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 fire-safe construction that can be shaped and designed without limitations.

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