

# DESIGN APPLICATIONS

UHPC BY VICAT



## UHPC SMART-UP

The use of Ultra-High Performance Fiber-Reinforced Concrete in the creation of furniture or art opens new creative and technical perspectives for artists and architects.

In response to the evolution of public spaces and user expectations, creations must be more appealing and attractive by focusing on innovative designs.

## BENEFITS



### Aesthetics

- Great freedom of shape and texture
- Unique elements



### Material optimization

- Reduction of thicknesses
- Thinner elements
- Precise details



### Design freedom

- Self-leveling behavior
- Modularity : great flexibility in design
- Prefabrication of elements
- Quick installation on site
- Reduction of construction timelines
- Excellent demolding resolution
- Material tintable throughout



### Durability / Practicality

- Reduces surface maintenance



## FORMULATION

- Cementitious matrix with a micrometric structure
- High dosage of cement and additives
- Fine aggregates
- Highly microfibers dosed
- Additives and water

*A dense, reinforced, and durable matrix capable of withstanding the most extreme stresses.*



# APPLICATIONS DESIGN

The use of UHPC, with its polymorphic nature, multitude of appearances (textures, colors, etc.), and thin profiles, represents an opportunity to bring unique creations to life that combine mineral quality, robustness, and aesthetics.



### Urban development

Furnitures, seating, tables, signage



### Decorative objects / Works of art

Sculptures, vases, lighting fixtures, etc.



### Exterior cladding

Screen panels, lattices



### Interior cladding

Worktops, tables



Designed to  
**ENHANCE !**

A dedicated team at your service

Visit our website !



@smartup\_vicat



Smart-Up UHPC



www.smartup-vicat.com



4 rue Aristides Bergès  
38080 L'Isle D'Abeau (FRANCE)  
**+33 (0)4 74 27 59 00**  
smart-up@vicat.fr

