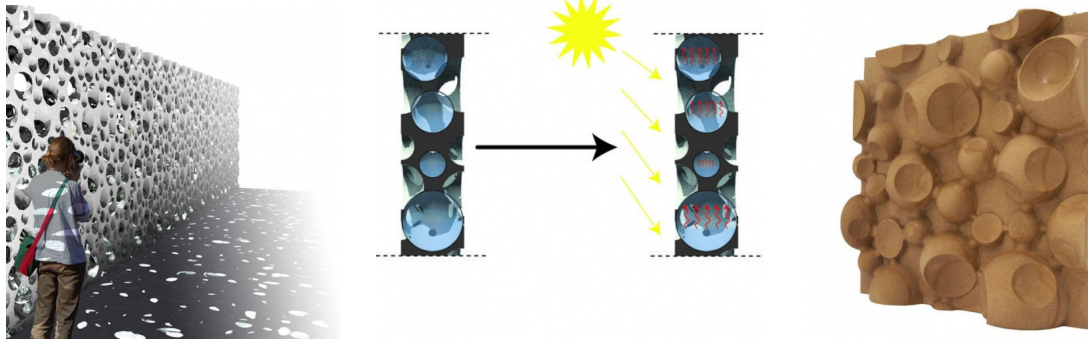


material sense

new materials!



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Sense of Scale by Gertjan Rohaan, Rikje Maas and Karmen de Maaré

(students Technical University Eindhoven, Building Faculty) In Sense of Scale the microstructure of Ultra High Performance Concrete is scaled in such a way that an architectonic wall is created. The optimization of the material matrix guarantees a very strong structure, which makes it possible to use the concrete in slender designs. Extremely porous structures can be made, without losing load-bearing capacities. The wall forms a tactile and complex three-dimensional veil and creates an ambivalent relation between spaces: concealing and revealing while retaining a physical connection. By enlarging the concrete microstructure not just its characteristics remain, but also new qualities arise: the implicit structure becomes explicit.