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dunes

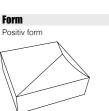
Sometimes, precast concrete can transform architecture to sculpture

Object

Reflections

Movement Shadow Fluidity Relief Continuity Light

Composition



Negativ form

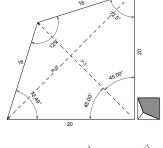
Creation of facing elements

Concept

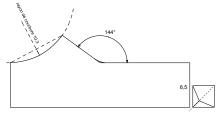
Our experimentation aimed to create a facing element which is able to reveal the sensitive aspect that can emerge from the "plastic" feature of the concrete.

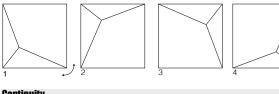
We worked on a square element with a curved shape that can be in a negative or in a positive position. This piece of concrete allows a multitude of compositions and plays with light and shadow. The convex form creates the shadow while the concave one receives it. By a simple reversal of the element, a lot of patterns can be created. Beside their relief, the shapes are in continuity between each other thanks to curved faces.

Plans/section











Experimentation of formworks and of the composition of concrete

Different kind of formworks

Concrete tests



«Between object and architecture»



Parget formwork molded on plasti

Conclusion: precise form but

Conclusion: very resistant casing but some vagueness and very difficult to strip the formwork

Silicone formwork molded on plasticized cardboard

Conclusion: very precise form and easy to strip thanks to the flexibility of

Steel formwork



8,5 I of mix (sand and gravel) 1,5 I of Portland cement 150 ml of water

Conclusion: beautiful texture and concrete surface but irregularity due to he parget formwork cast on cardboard.



Conclusion: problem for strip the mwork, so the edges are broken.



Silicone formwork molded on

Conclusion: beautiful finishing of



Plasticized cardboard for-

Conclusion: sealing problem, adhesion of concrete makes impossible the reuseof the formwork



Plasticized cardboard forwork 5 I of mix (sand and gravel)

Conclusion: beautiful texture and concrete surface but irregularity due to the form of cardboard that is still



White plasticized cardboard

Conclusion: irregular form due to subsidence of the formwork cardboard



White plasticized cardboard formwork until the back

Conclusion: this form was the one we used to mold the silicone. Easy to strip the formwork but limited life (6-7



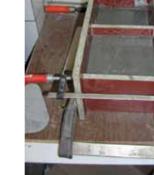
White plasticized cardboard

Conclusion: beautiful edges finining and curves but vibration pro-lem may be due to the oil placed on le plasticized cardboard to facilitate

Realization











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Finalization

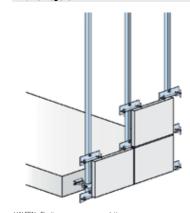


was to obtain a good finishing of the edges and faces. Indeed, in order to get continuity between the elements, the faces are curved. We did different tests with different kind of formworks:

The difficulty of the realization

cardboard, steel, plaster and finally silicon. The last one allows getting really smooth faces and sharp edges. Furthermore, the silicon shape is very resistant and can be reused many times.

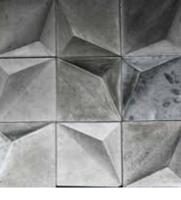
Fixation system

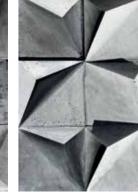


Exemples of compositions









Light & Shadow



Scenarios

