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Why Concrete?

Pei Huang, August 12 2021

Four Case Studies of Concrete Architecture

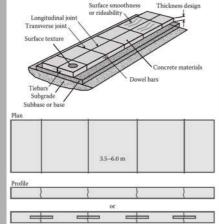
Background

to find and process. However,



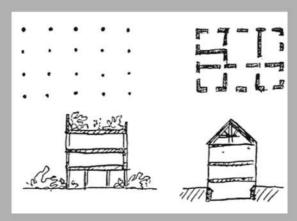
Concrete becomes the main building material

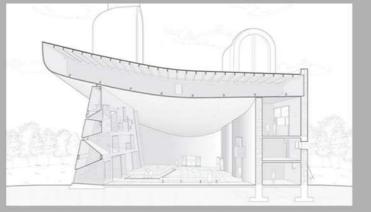
using concrete to build pavement is become building material. Thus,



Concrete technology and the Development of Architecture

In the past, Le Corbusier, one of the pioneers of modern architecture, technique, Le Corbusier's contribution seems to establish the five points of a new Concrete granted Le Corbusier the ability to show his early design concepts, which is the necessity of connecting the machine age with classical architecture. During "poetic engineer," Le Corbusier's explorations are realized in buildings like the Chapel at Ronchamp. Chapelle Notre-Dame-du-Haut, situated in Ronchamp, France, is likely to relate to water. According to Deborah Gans, in keeping with wall rippled like a wave, which means space shaped by concrete may provide a clue





At present, most architects prefer to shape different space and emotion by using concrete enhanced by advanced technology. Architects from Tongji space. According to Jin Baek, just as Ando's concrete wall was to reveal its actual performance by releasing it from an architect's enthusiasm for design⁶.

in Grasshopper an algorithmic plug-in for Rhino, which is a modeling software. Concrete casting the interior area of Tea House in Figure 4 shows, the formwork, planning and manual casting the construction provided a great opportunity to study



https://www.gooood.cn/tea-hous_https://news.psu.edu/sto



Conclusion

could not imagine that concrete would bring lots of There is a saying, "The group of modern architects,

Bibliography

- 3 Deborah Gans, The Le Corbusier Guide, (New York: