

FS001

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# FABRIC[ATING] STRENGTH



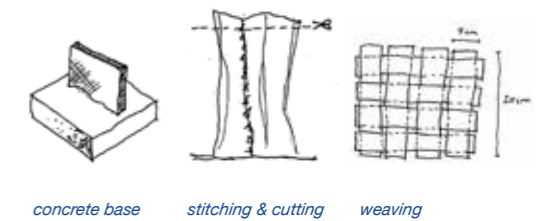
"woven concrete" in office setting

Fabric[ating] Strength is a project that explores the advantages of the material "Concrete Canvas" as a load-bearing material. Concrete Canvas consists of two layers of fabric, filled with cement which cured after being hydrated. It is designed to hold horizontal loads, but for this project we want to show that vertical loads can be hold by it as well.

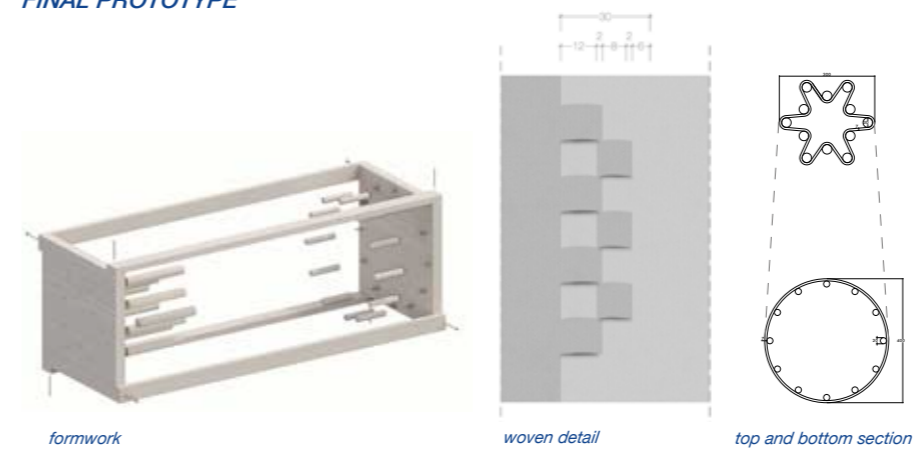
The idea for a column made out of Concrete Canvas is that it enhances the soft character of the fabric properties of the material and gives the impression of a curtain, while being able to bear heavy loads. It is material and waste efficient, due to the reusable formwork for organic shapes, while its load-bearing capacity can be compared to standard sized concrete columns.

We were able to complete our project thanks to Joosten Kunststoffen in Delft, who provided us with the Concrete Canvas.

## MATERIAL STUDIES



## FINAL PROTOTYPE



## COMPARING LOADCAPACITY



## ASSEMBLY STRATEGY

