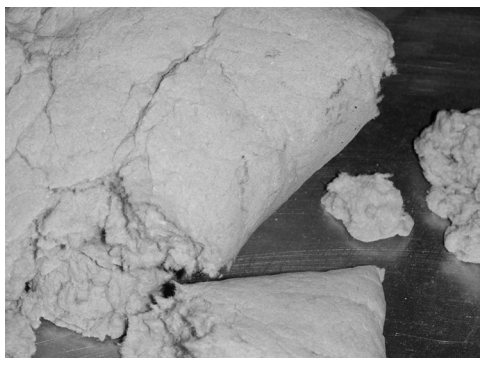
MAKERS MANUAL #34
Jorge Penadés

INTRODUCTION

Textile-Clay is a new clay-like material made out of textile waste and starch. The objective is to take advantage of the everyday decaying process of our textiles and use it as raw material. Compared to traditional clay, this alternative has two main advantages: it is a non-extractive material and has a very low energetic impact - after giving shape to the object it does not need to be fired, glazed and re-fired again. This manual is designed for people who are looking for ways to experiment with a material that behaves like clay using waste materials found in the home.

STEP 1

Collect the fluff from the lint collector in your drying machine.



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STEP 2

Soak it in a bleach and water solution (1 hour). Remember to wear gloves when you are soaking the fluff. Make sure you are in a well ventilated area, preferably outside.

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STEP 3

Rinse the fluff with cold water once it has soaked for an hour.

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STEP 4

Dye it. Feel free to add fabric dyes or water based pigments to your mixture (optional).

STEP 5

Leave the fluff to dry on a drying rack overnight.

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STEP 6

Put the dried material into a food processor until all of the particles are very fine.

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LIST OF THINGS

TOOLS
- Plastic gloves
- Metal bowl (mixing)
- Non-stick surface (kneading)
- Rolling pin
- Spray bottle (water)

MATERIAL LIST
- Fluff (fibers stuck on drying machines´s filters)
- Starch (natural starch if natural fibers, synthetic starch if synthetic fibers)
- Distilled water

BIO OF THE DESIGNER

Jorge Penadés (Málaga, 1985) studied Interior Design in Barcelona before graduating with a MA in Product Design from IED Madrid where he established his own practice in 2015 right after graduation. His office works across a variety of projects ranging from new materials, furniture, interiors, one-off commissions and temporary architectures for different companies, galleries and institutions.

FURTHER READING
- Non-Extractive Architecture by Space Caviar. Sternberg Press.
- Anti_Fashion Manifesto by Lidewij Edekoort. Trend Union.

Makers Manual is a collaborative project between exciting makers and STORE STORE. This is a collection of manuals encouraging people to make objects from what is around them. These manuals are both a practical guide to making for beginners and experts, and a journey into the designers' practice. You can share your creations using #makersmanual.

This project is supported by G.F Smith.

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STEP 7

Mix the fluff and the starch in the bowl.

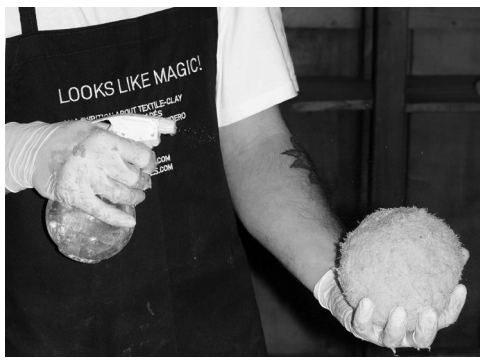
STEP 8

Take the mixture to a flat surface and knead it like you would bread to help it mix together.

8

STEP 9

Add some water to get a dough like consistency.



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STEP 10

Now that you have your dough you can make just about anything. The following images show describe a basket. To make this, you need to first find a mould that would be interesting, this could be anything. This image shows a basket with a concertina form. By pressing the dough to the inside of the form your design will take the shape of your chosen mould. It is important to make sure that there are no undercuts in the mould otherwise it will be difficult to remove your object as it is drying.

You can also try the smashing balls vase shown above with a feather. For this object you can make balls of dough and then press them against outside of a mould, this could be a cup or a small vase.

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STEP 11

Leave your design to dry (you still have time to make changes during the drying process).

Jorge Penadés, Madrid.