

RECIPES BIODEGRADABLE HARDWARE

Hardware Recipes Book Textiles
University of Applied Sciences Amsterdam
Amsterdam Fashion Institute
Course: Internship + Graduation
Student: Laura Weller
Studentnumber: 500844365
Study Year: 2023 - 2024

LINING



How to make

1. Mix water, glycerine
3. While whisking, add the sodium alginate
4. Cover up and let rest in fridge overnight
5. When rested, add 2 gramms of the soap
6. Use a mixer to stir the paste, it now becomes very foamy
7. Put the foamy paste in a mold. Make sure the paste is 1,5 cm thick
8. Let dry for 14 days wintertime, 8 days summertime
9. Once dry, you can now press on the foamy material to make it flat. It keeps the white color for lining.

Recipe for 30x30 cm mold

- 500 ml water
- 25 gr glycerine
- 15 gr sodium alginate
- 2 gr soap

SHOULDERPADS



How to make

1. Mix water, glycerine
3. While whisking, add the sodium alginate
4. Cover up and let rest in fridge overnight
5. When rested, add 2 gramms of the soap
6. Use a mixer to stir the paste, it now becomes very foamy
7. Put the foamy paste in a mold. Make sure the paste is 1,5 cm thick
8. Let dry for 14 days wintertime, 8 days summertime
9. Once dry, you cannot press on the foamy material to make it flat, like you do with the lining, as you added way more sodium alginate to the mix to keep it compact.

Recipe for 30x30 cm mold

- 500 ml water
- 25 gr glycerine
- 75 gr sodium alginate
- 2 gr soap

Tip: if the material is not compact enough, you can add, after mixing with the foam half a gram (or even less) of aluin. This binds really well with algea. If you put in to much, you create a liquid that is so compact that you cannot get your mixer out of, so be careful!