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Materials Study

2020



Felted rust dyed wool sheet with suspended ceramic barbs.



Felted rust wool sheet.



- Found Paper
- Hand Torn edges
- Matte Medium adhesive



- Kozo Paper
- Handmade Rice Paste with Rust
- Hand torn edges



- Plastic sheet
- Suspended ceramic barbs
- Melted together with heat gun



- Plastic sheet
- Liquid rust
- Melted together with heat gun



Synthetic fabric melted on  
cellulose fiber with heat gun.

Synthetic fiber melted onto porcelain





Handmade Biopalstic

- Vegetable Glycerol
- Corn Starch
- Vinegar
- Water



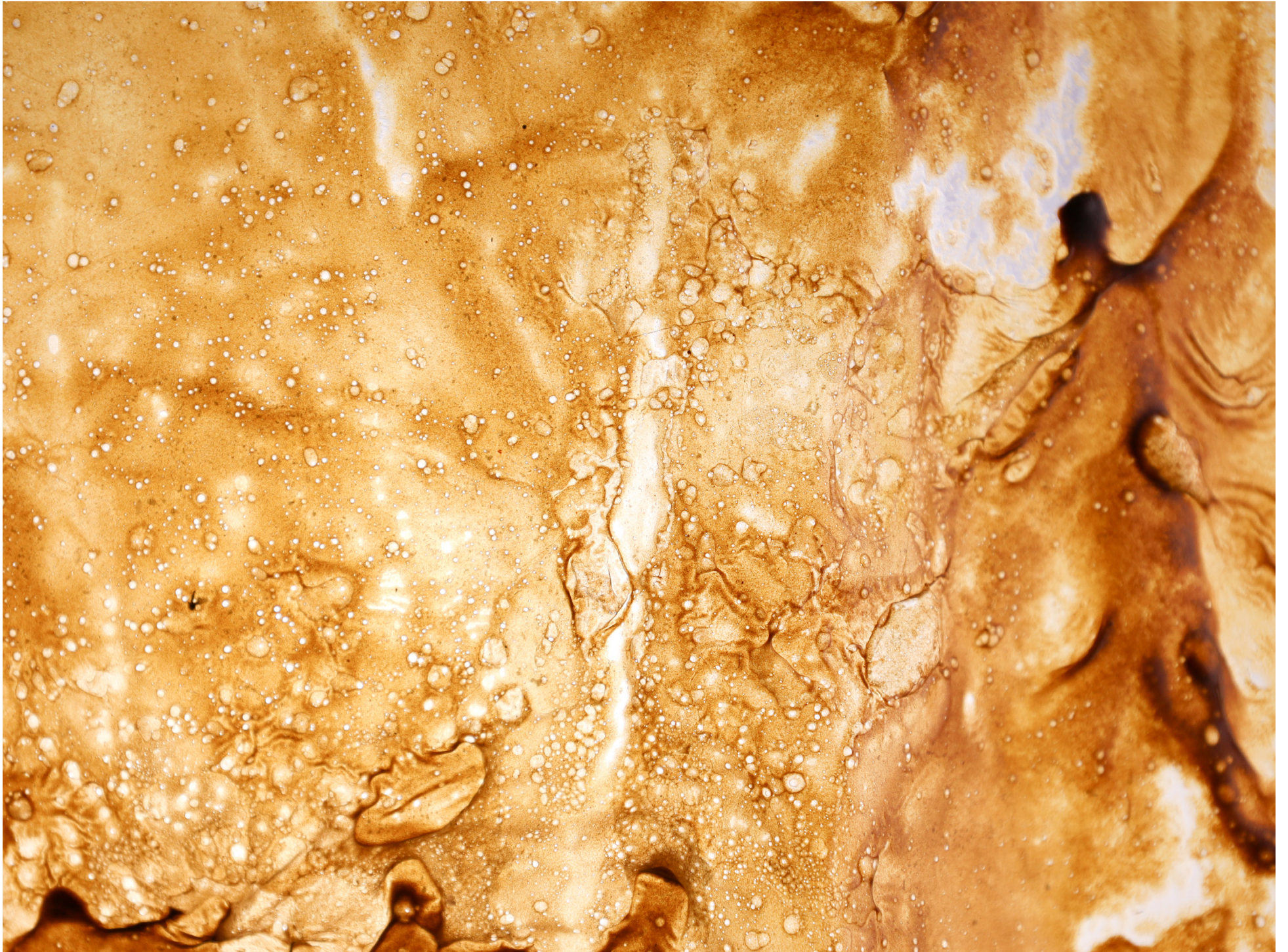


Onion Skin Fiber



Elmers Glue with Liquid Rust

Elmers glue with liquid rust molded into a 3D printed PLA filament.





Elmers Glue with Nylon Fiber



SCOBY Kombucha Leather



SCOBY Kombucha Leather on Ceramic



Elmers Glue Sheet on Ceramic



The Fall semester of 2020 I took an exploration of fibrous material. Throughout this process, I transitioned from working with classic fibers such as wool, cotton and polyester to cellulose fibers such as onion skin and other substances consisting of glue and rust. The overall goal of this project was to find a material that best conveyed qualities of skin. The main qualities that I was searching for within this exploration were transparency, natural tones and layering. I found success in many areas, and I learned a great deal about natural fiber processes and the use of mixed media. Going forward, I plan to continue with the use of onion skin and a glue-rust combination to give the appearance of skin within my sculptural work.

# Recipes

## **Rust**

- Hydrogen peroxide – 50%
- White vinegar—50%
- 1 tablespoon of salt per 1 liter

Creating rust is a key part of my sculpture building process. I often use found scraps of metal to talk about age and neglect. It is sometimes difficult to find the materials that fit into my sculpture perfectly and offer the strength that I am looking for, so I create my own wear on new materials (steel nails).

After rusting the nails, I have a large amount of liquid rust left over. I feel the need to take advantage of this materials because of connection that I can make between objects in my work and also the lack of waste in the overall project.

# Recipes

## **Onion Skin Cellulose Fiber**

- One pound of onion skin (browned outer layer of the onion.)
- Boil for approximately 8 hours or until the fibers are completely soft.
- Strain skin and place in the Hollander blender for another 8 hours.
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## **Homemade Glue**

- 2 cups of corn starch
- 4 cups of hot water
- 2 teaspoons of salt
- 2 tablespoons of vinegar

## **Rice Paste**

- Fully cooked rice (sushi rice is best)
- Add water to the preferred consistency

# Recipes

## **Bioplastic**

- 10ml Distilled water
- 0.5-1.5g Glycerol
- 1.5g Cornstarch
- 1ml of White Vinegar

## **Glue/ Rust**

- 1 cup of Rust - See rust recipe
- 3 cups of water
- 1 gallon of Elmer's glue