



/ SFMOMA

minerals research for mural *ERDGOLD XL*

march 2015

The mineral research is an investigation on how to create mineral colors to apply on wool felt. By collaborating with students of different expertise backgrounds (e.g. mineral minor, design, architecture) we learn to understand the different production processes of minerals.

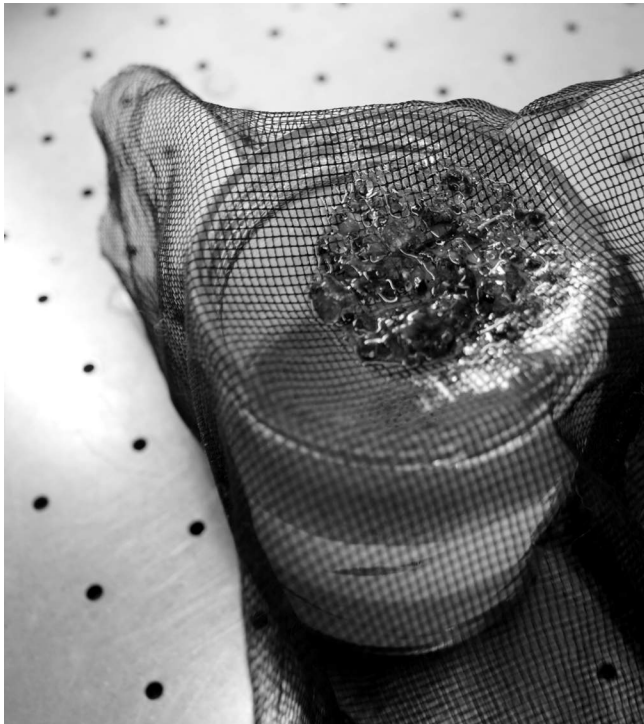
The first part of this research period was to get an understanding on how to create mineral colours and how to use different binders.

/ collaboration with a.o. students of mineral minors





/ process



/ gum arabic

During the first part of the mineral research, the following ingredients have been used to experiment with:

for binders:

/ gum arabic

/ rabbit skin glue

/ casein



/ minerals

china clay



english red



french ochre- orange earth



burnt umber



raw umber



minca



manganese



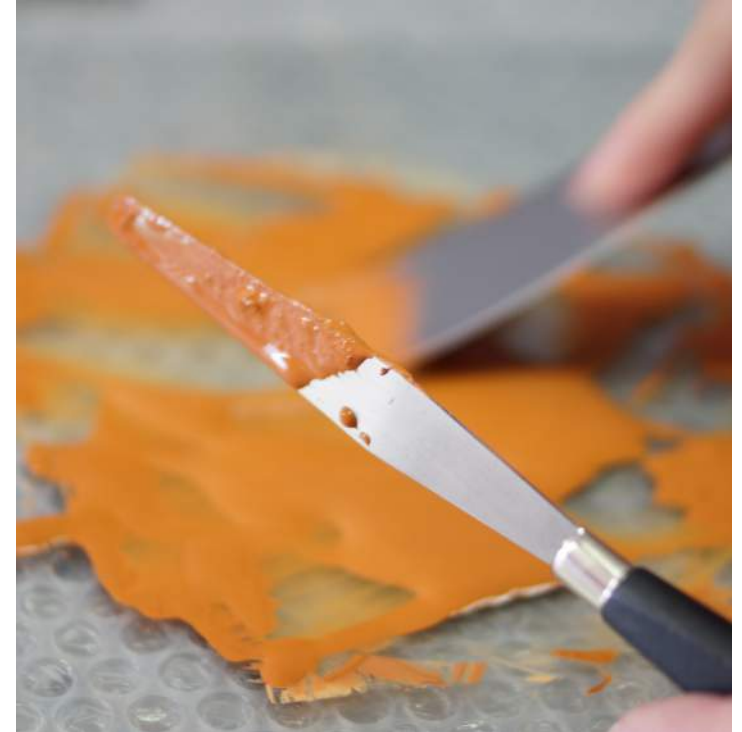
french ochre- yellow earth







Water and ox gall liquid are added to the mineral; these help the mineral to absorb the water and turn it into a pigment.





/ mineral color on fabric







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For the second minerals workshop, additional binders have been used. Further on, we started to experiment on how to apply the pigment colors on wool and felt.





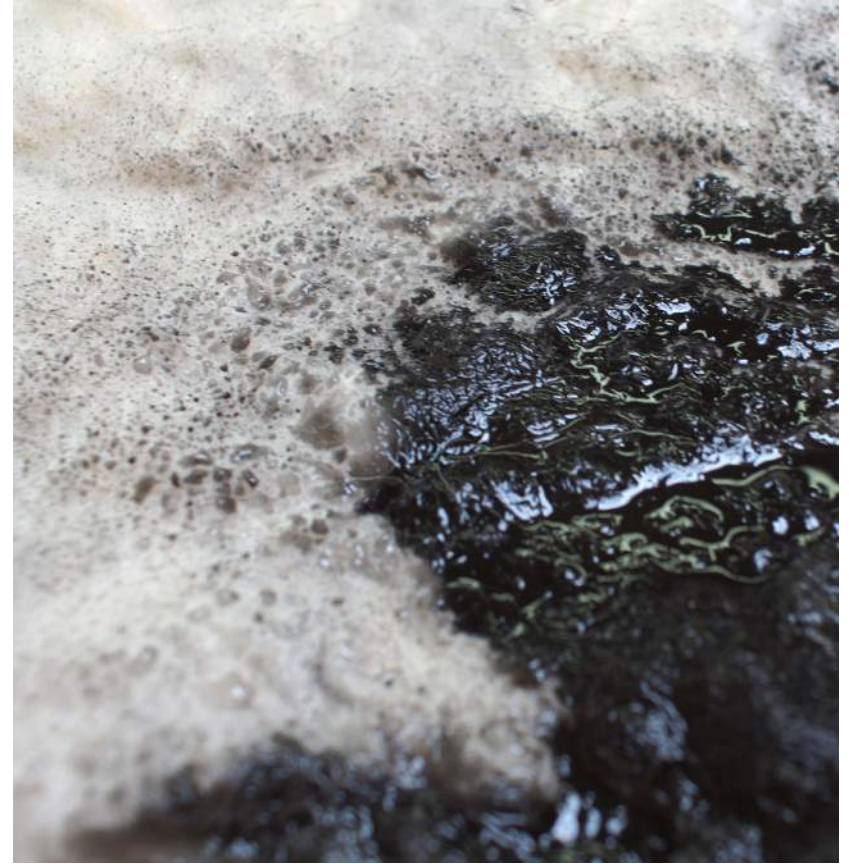
binders:

- / egg tempera
- / shellac binder
- / acrylic binder



/ experimentation of application to different (hand felted) fabrics









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