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INSTITUTE FOR ENGINEERING OF POLYMER
MATERIALS AND DYES**

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246 119

Test Report No. 2/2019

Oddy test

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dr inż. Mariola Bodzek-Kochel

Gliwice, 09-04-2019

The test results refer only to the tested sample.

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TEST RESULTS

1. Sample description:

The client provided for testing foam materials described as follows:

- Stratocell Whisper FR (color: black) - 1;
- Stratocell E (color: natural) – 2;
- Ethafoam 220 (color: black) – 3.

2. Test method

2.1. Oddy test

Test Oddy according to the test method „*Selection of Materials for the Storage or Display of Museum Objects*”.

3. Test description

The prepared foam samples were placed in a 50 ml tube with 0.5 ml of distilled water. Metallic foils with dimensions of 10x15 mm were attached to each sample tested and hanged on a nylon thread. Control samples for which no foams were put were also made. Copper foil, silver foil and lead foil were used in the test. The test was carried out at 60 °C and lasted 28 days.

4. Test results

4.1. Oddy test

The results for after the test are given below:

- 0 – control sample
- 1 – copper foil;
- 2 – silver foil;
- 3 – lead foil.

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Fig. 1. Samples after the test - copper foil.

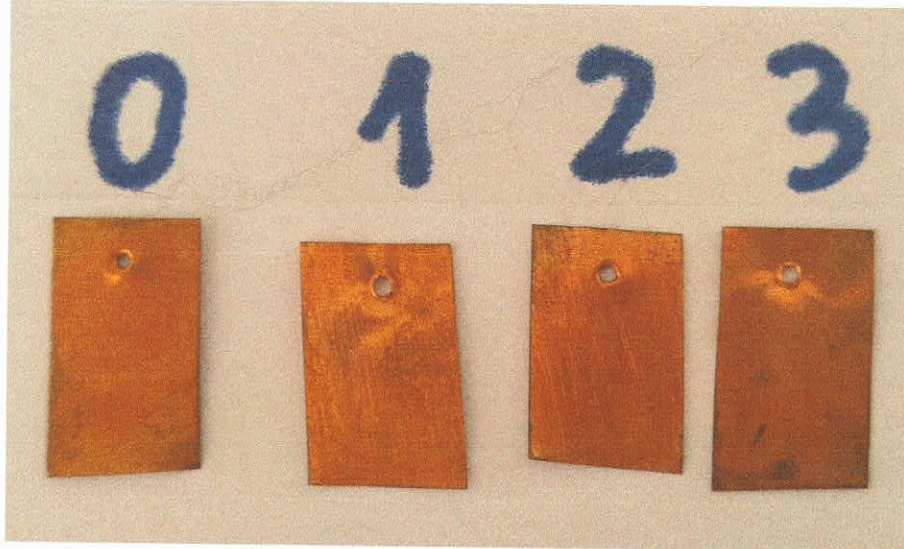


Fig. 2. Samples after the test - silver foil.

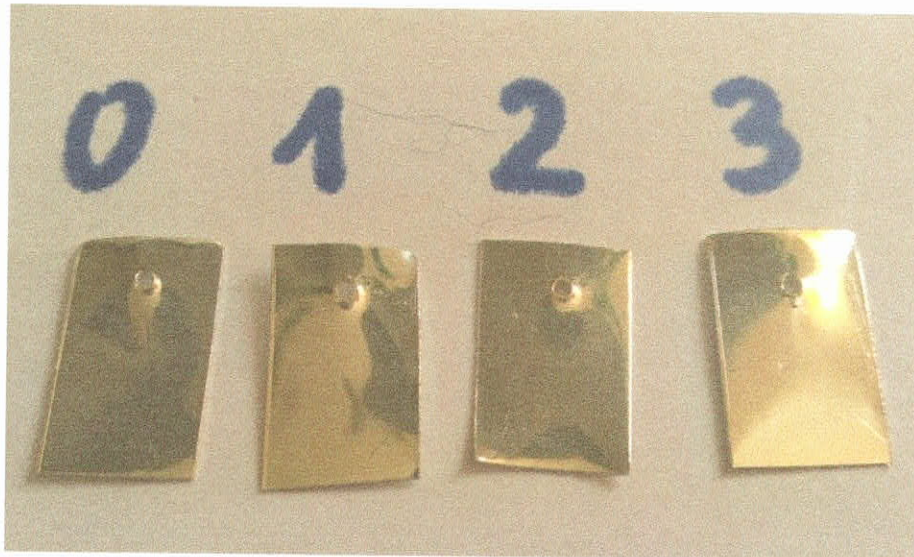
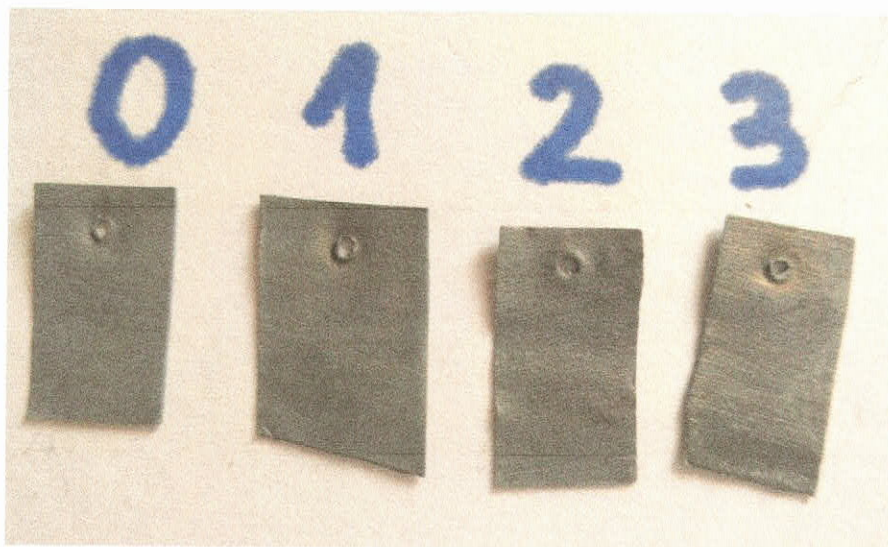


Fig. 3. Samples after the test - lead foil.



5. Conclusion

The study showed that the material doesn't cause corrosion hazards and is suitable for storing museum objects.

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