



Co-financed by Greece and the European Union



Development of a **Textile** with **Silica** coating for environmental friendly control of insects in **Agricultural** production

Deliverable [15]: *[Data of the textile's characterization]*

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ITA: Institut für Textiltechnik, Germany

UTH: University of Thessaly, Greece

ThraceNG: Thrace Nonwovens & Geosynthetics S.A.

P&S: Powder and Surface GmbH

Del [15]: [Datas of the textile's characterization]

Table of Contents

1. Summary.....	3
2. Introduction.....	4
2.1 Optical testing methods.....	4
2.2 Mechanical test methods.....	5
3. Description of the investigation findings.....	8
3.1 Representation of the measured samples.....	8
3.2 Results from light transmittance.....	10
3.3 Results from air permeability.....	11
3.4 Results from tensile testing.....	13
4. Discussion and Conclusion.....	16

List of Figures

Figure 1.1: Testing methods for coated textile.....	3
Figure 2.1: 25 mesh net.....	4
Figure 2.2: <i>Stereomicroscope Leica M205C (Leica Microsystems GmbH, Wetzlar, Deutschland) [Lei19]</i>	5
Figure 2.3: Tested and to be tested specimen.....	6
Figure 3.1: Overview of analysed samples.....	9
Figure 3.2: Visualization of test results.....	12
Figure 3.3: Visualization of test results.....	14

List of Tables

Table 1: Overview of samples.....	8
Table 2: Additional Samples.....	9
Table 3: Overview of light transmittance results.....	10
Table 4: Effect of factors and factor combinations.....	11
Table 5: Results of air permeability tests.....	12
Table 6: Results.....	13
Table 7: Results of tenile testings.....	13
Table 8: Results from DoE.....	14
Table 9: Tenacity results.....	15

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1. Summary

Coated textiles were analysed in microscopy for light transmittance as well as for air permeability and tenacity, as shown in Figure 1.1. It was shown that the coating of the textile does not have a negative effect on the tenacity, but does influence the air permeability and the light permeability. The biggest effect is thereby caused by the particle size, where bigger particles result in a bigger reduction.

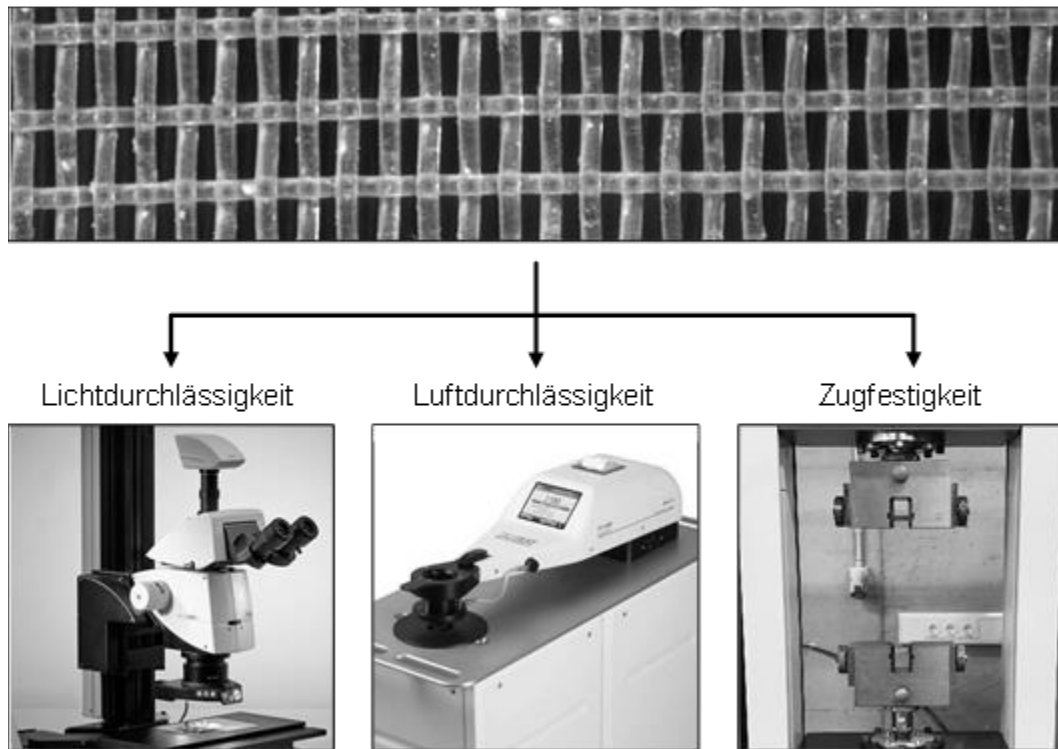


Figure 1.1: Testing methods for coated textile

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The deliverable is available upon request

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D [10]: [Data of the fiber's characterization]

