



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 [18]: *[Evaluation of coated textiles]*

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## Table of Contents

1. Summary.....	3
2. Introduction and Methodology .....	4
2.1 Light transmittance.....	4
2.2 Determination of light transmittance.....	5
2.3 General: Mechanical test methods .....	5
2.4 General: Determination of air permeability.....	6
2.5 Representation of the measured samples .....	7
2.6 Rain test .....	9
2.7 Abrasion resistance.....	9
2.8 Toxicity test.....	9
3. Results.....	11
3.1 Light transmittance.....	11
3.2 Air permeability.....	12
3.3 Tensile testing.....	14
3.4 Weight comparison .....	16
3.5 Microscopic examinations .....	18
3.6 Rain test .....	19
3.7 Abrasion resistance.....	20
3.8 Toxicity test.....	22
4. Discussion and Conclusion .....	23

Del [18]: [Evaluation of coated textiles]

## 1. Summary

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In this Deliverable, the examinations of the textiles by means of, on the one hand, the **light transmittance**, the **air permeability** and the **tenacity tests** and, on the other hand, the **rain test** and **abrasion resistance** tests are presented and the respective results are explained.

Coated textiles were analysed in microscopy for light transmittance as well as for air permeability and tenacity. 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.

Del [18]: [Evaluation of coated textiles]



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The deliverable is available upon request

Please send e-mail to the project coordinator: [nkatsoul@uth.gr](mailto:nkatsoul@uth.gr)

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

