



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]:

[D18: Evaluation of coated textiles]

[ITA]

This project is co-financed by the European Union and Greek national funds through the bilateral Greece-Germany S & T Cooperation Program, Competitiveness, Entrepreneurship & Innovation (EPANEK) (project code: T2DGE-0120).

Project Details:

Programme: **bilateral Greece-Germany S & T Cooperation Program, Competitiveness, Entrepreneurship & Innovation**

Call topic: **Agrofood**

Project Title: **Development of a textile with Silica coating for environmental friendly control of insects in agricultural production**

Project Acronym: **AgriTexSil**

Proposal Number: **T2DGE-0120**

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Deliverable Details

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Task(s): [number]: [name]

Deliverable Title: [name]

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Date of delivery: [date]

Del [18]: [Evaluation of coated textiles]



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Del [18]: [Evaluation of coated textiles]



1. Summary

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
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Del [18]: [Evaluation of coated textiles]

