Large area deposition technologies of multifunctional antibacterial and antiviral nanocoatings

Project No: 1.1.1.1/21/A/050

Duration: 01.01.2022. – 30.11.2023.

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Project partners: Sidrabe Vacuum SIA, Dr.Phys. Andris Fedotovs
Latvian Biomedical Research and Study Centre (LBMC)

30.12.2022

About project implementation (01.10.2022 – 31.12.2022)

During the past research period of the project No.1.1.1.1/21/A/050 "Large area deposition technologies of multifunctional antibacterial and antiviral nanocoatings":

- two sets of new, large-sized PET/WO_3/Cu/WO_3 samples were made with roll-to-roll (R2R) equipment UV-80 according to the specification submitted by the partners, varying the thicknesses of the WO_3 and Cu layers.
- To ensure the quality of the samples, drying of the PET substrate has been carried out, and substrate treatment with an ion-gun has also been introduced.