

Large area deposition technologies of multifunctional antibacterial and antiviral nanocoatings



Project No: 1.1.1.1/21/A/050

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About project implementation (01.01.2022 – 31.03.2022)

During the research period of the project No.1.1.1.1/21/A/050 “Large area deposition technologies of multifunctional antibacterial and antiviral nanocoatings” the *roll-to-roll* (R2R) equipment is adapted to work for the sputtering of the thin films required in the study. The tightness and necessary high vacuum condition of the sputtering chamber have been checked and the shortcomings found have been rectified. The magnetron cooling system was cleaned and checked for leaks. Conditioning of the film winding system has been made improving its stability. W and Cu magnetrons are installed to allow the first coatings to be formed in the pilot mode.