



Līdzfinansē
Eiropas Savienība



Nacionālais
attīstības plāns

ADVANCEMENT OF ROLL-TO-ROLL DEPOSITION TECHNOLOGY FOR SMART WINDOWS AND ANTIMICROBIAL COATINGS (R2R-SWAC)

Project No. 1.1.1.3/1./24/A/077

Projekta duration: 01.06.2025. – 31.05.2028.

Leading partner: Institute of Solid State Physics, University of Latvia
Partners: Sidrabe Vacuum Ltd.
AGL Technologies Ltd.

Project total sum: 651 899 EUR
ERDF funding: 506 249 EUR

On the implementation of the project (period 01.12.2025 – 28.02.2026)

During this project phase, experiments were conducted on the UV80 coater and several series of samples were produced to determine the operating parameters and evaluate the repeatability of YHO deposition. A series of samples were produced at different process pressures with a pronounced photochromic effect and the samples were transferred to ISSP for further research. The dynamics of the first bleaching of the samples and their interaction with light sources were examined. Darkening of the samples during transmission measurements was detected and solutions are being sought to eliminate this effect.