

# CERTIFICATE

on the antibacterial properties of the product

**AS-100 ANTI MICROB TAPE (aged 12 months)**

of the company

A-SPE Europe Sp.j.

Agatowa 5, Gronowo Górne 82-310, Poland

has been successfully tested against

*Staphylococcus aureus* DSM 799 / ATCC 6538

*Escherichia coli* DSM 1576 / ATCC 8739

as **antibacterial**

(germ reduction  $\geq 4 \log$  /  $\geq 99.99 \%$ )

according to ISO 22196 (mod.)

In contrast to the standard method the test was performed at room temperature, in a dry environment and under the influence of light ( $300 \mu\text{W}/\text{cm}^2$ , 405nm, 4h - which corresponds to a 24h dose of daylight). Additional controls show that the antibacterial effect is based on the photocatalytic effect of the tested coating.

**For details see Test Report No. 4022 (2021)**

The bearer of this certificate is entitled to affix the following seal to parts or surfaces made from the tested material



Nuremberg, Germany, April 29<sup>th</sup>, 2021



Managing Director



Technical Director