

# KRION K-LIFE 1100 EAST<sup>®</sup> ANTIBACTERIAL ACTIVITY STATEMENT

Krion<sup>®</sup> Porcelanosa Solid Surface is a cutting-edge material and pacesetter in the obtainment of some of the world's most exacting certificates.

System Pool S.A. hereby certifies that, Krion<sup>®</sup> has made the tests to determine its antibacterial activity according ISO 27447:2009 "Test method for antibacterial activity of semiconducting photocatalytic materials", in the laboratories of the renowned Instituto Valenciano de Microbiología (IVAMI).



**Instituto Valenciano de Microbiología  
(IVAMI)**

Test was carried out with Krion Eco-Active Solid Technology<sup>®</sup> samples, with a light incidence intensity of 0.25 mW·cm<sup>-2</sup> for 8 hours at a test temperature between 18 °C and 25 °C, and an incubation temperature of Staphylococcus aureus CECT-240 and Escherichia coli CECT-516 strains of 35 °C ± 2 °C. In the assay, a known suspension, expressed as bacterial concentration (cells·mL<sup>-1</sup>), of each of the strains is inoculated over the material and then let it settle down for all the incubation time. After that period, the remaining bacteria are counted. For each test a total of 3 replicates are performed to verify the results.

After the test, and with the data obtained, it was possible to verify the photocatalytic activity of the material, concluding that the material with Krion Eco-Active Solid Technology<sup>®</sup> is **ACTIVE** against the microorganism elimination, according ISO 27447:2009 standard.

The results of these tests are detailed on the report with reference D/16/129 issued on November 22, 2016 by the technical institute indicated before.

Quality Manager

General Manager

