

KRION K-LIFE 1100 EAST[®]

CHEMICAL PRODUCTS DEGRADATION STATEMENT

Krion[®] 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[®] has made the test to know its activity in the chemical products degradation according ISO 10678:2010 "Determination of photocatalytic activity of surfaces in an aqueous medium by degradation of methylene blue" in the laboratories of the renowned International Photocatalyst Standards Testing Center (IPS)



Test was carried out with Krion Eco-Active Solid Technology[®], with a light intensity of $1 \text{ mW}\cdot\text{cm}^{-1}$ with a 15 W UVA radiation lamp, with a wavelength of 368 nm. Pretreatment was carried out lighting for 32 hours a $2\cdot 10^{-5} \text{ mol}\cdot\text{L}^{-1}$ methylene blue solution. After conditioning, test was carried out with $35 \pm 0.3 \text{ ml}$ solution at an initial concentration of $1\cdot 10^{-5} \text{ mol}\cdot\text{L}^{-1}$. Degradation was monitored with a UV-Vis spectrophotometer taking a sample every 20 minutes and calculating the photocatalytic activity according its photonic efficiency.

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[®] is **ACTIVE** against the methylene blue mineralization, according ISO 10678:2010 standard

Quality Manager

General Manager

