

**AIRDAL**, consisting of 2 wet wipes **AIRDAL - CLEANER®** and **AIRDAL - COATING®**, is a 2-step-system for the permanent, antibacterial treatment of surfaces.

<b>Chemical basis</b>	Modified silicon dioxide
<b>Layer thickness</b>	ca. 150-300 nm
<b>Water-repellent</b>	slightly hydrophobic
<b>Temperature stability</b>	150 degree Celsius
<b>Chemical stability</b>	solvent-resistant
<b>Weatherproof</b>	2000 h according to ISO 11507 A (corresponds to ca. 3-4 years)
<b>Resilience (mechanical)</b>	Glass. ceramic > 40.000 cycles according to ISO 11998 (cleaning with water) Noble metals > 20.000 cycles according to ISO 11998 (cleaning with water) Plastics > 5.000 cycles according to ISO 11998 (cleaning with water)
<b>Duration of Anti-Microbial effect</b>	12 months +
<b>Salt water resistant</b>	yes
<b>Storable</b>	1 year
<b>Temperature sensitivity</b>	3 to 40°C
<b>Wastage Application</b>	1 x cleaning and polymerizing wipe + 1 x activating wipe for up to 3m <sup>2</sup> <b>Step 1:</b> Use the cleaning and polymerizing wipe AIRDAL CLEANER® to degrease and clean the surfaces thoroughly. Only in case of extreme contamination (or limescale) should a pre-cleaner for the specific type of contamination be used. <b>Step 2:</b> After the 1. liquid has evaporated (ca. 5 min,) a polymer layer forms. This is activated and becomes antimicrobial by wiping it over with the activating wipe AIRDAL COATING®. After 2 minutes the surface should be wiped dry using the microfiber wipe until all visible streaks disappear. A thorough polishing will be necessary, especially on transparent or shiny surfaces. After 6 hours the coating is hardened and ready for use.

<b>Compatible surfaces</b>	Ceramics Glass Noble metals (aluminum, stainless steel, brass, gold) Varnishes Plastics Leather Fabrics
<b>Incompatible surfaces</b>	Surfaces in contact with food (e.g. china, cutlery etc.) Water-sensitive surfaces, such as e.g. paper Printed cardboards and wrapping
<b>BFR Biocidal-product registration</b>	7289496
<b>BAuA registration</b>	N-81397 CAS: 27668-52-6
<b>Custom tariff classification</b>	HS code 3824 9992
<b>EC-No</b>	248-595-8
<b>Test certificates</b>	JIS Z 2801:2012(Mod) Anti Microbial Products – Test of Anti Microbial Activity And Efficacy 3212.1 181029-10290-2801-01_EN_Rev2 3212.2 181029-10290-2801-02_EN_Rev2 3223.1 181114-10290-2801-01_EN_Rev1 3223.2 181129-10290-2801-01_EN_Rev1 3223.3 190109-10290-2801-01_EN_Rev1
<b>Aircraft Specifications</b>	Boeing Document D6-7127 Lufthansa test report 190125_012