

## Test Description

Reports can be requested at [info@aquaaero.net](mailto:info@aquaaero.net)

Supersedes all previous certificates of compliance issued in 2016,2018 and 2020



| <b>1. Capacity Tests</b>   | <b>Heat Transfer and Pressure drop</b>  | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
|--|---|-------------------------------------|--|------------------------------|--|
| AA Capacity on Micro Channel Coils   | 1. AA _ heat transfer _ pressure_drop_on_MC_coils.pdf   | Sanhua Micro Channel Heatexchanger  | <a href="mailto:info@sanhuamc.com">info@sanhuamc.com</a>                 | Liang Zhang                  | Sanhua Hangzhou Lab                                  |
| AA Capacity on RTFF Heat Pump  | 2. Bre_Lab_Capacity Test AA coated coils.pdf  | Building Research Establishment Ltd | <a href="mailto:enquiries@bre.co.uk">enquiries@bre.co.uk</a>             | David Butler                 | P103455-1000/3                                       |
| KL10K Capacity test on RTFF  | 3. Capacity test with Resistec and KL10K Coil coating.pdf   | Ikhteban intertek                   | <a href="mailto:info@aquaaero.net">info@aquaaero.net</a>                 | Asif Pasha                   | PX00710PM  |
| <b>2. Temperature Ranges</b>   | <b>Temperature Ranges</b>   | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| Test -40°C   | 1. AA_MCHX_low_temperature_ranges   | Internally                          | <a href="mailto:wouter@aquaaero.net">wouter@aquaaero.net</a>             | Wouter Scheffer              | -40-MHCX   |
| Test 40°C to +250°C  | 2. Temperatures_ranges_AA_Black_2017.pdf  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 17-45A001  |
| <b>3. Off Shore Compliance Document</b>  | <b>Specifications</b>   | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| BS and ISO 15138   | 1. BS and ISO 15138 compliance spec petroleum and off shore 052020  | Internally                          | <a href="mailto:wouter@aquaaero.net">wouter@aquaaero.net</a>             | Wouter Scheffer              | 04-iso15138  |
| <b>4. Material Specification Tests</b>   | <b>Coating Specific ropertes</b>  | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| Adhesion Aqua Aero Coil Coating  | 1. Adhesion Cupping Test Aqua Aero Coil Coating   | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2019220032   |
| Impact Aqua Aero Coil Coating  | 2. Impact Test Aqua Aero Coil Coating   | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2018460089   |
| Hardness Aqua Aero Coil Coating  | 3. Hardness König Pendulum Report   | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2019220029   |
| Impact Aqua Aero Coil Coating Copper   | 4. Impact Test Aqua Aero Coil Coating on Copper   | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2019070018   |
| Adhesion Test Aqua Aero Coil Coating on Copper   | 5. Adhesion Test Aqua Aero Coil Coating on Copper   | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2019070017   |
| Adhesion on Flux Aqua Aero Coil Coating  | 6. Adhesion on Flux Aqua Aero Coil Coating  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 18-07A001  |
| Impact Hydrophilic Top Coating   | 7. Aqua Aero Hydrophilic Top Coating Impact test  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2018460093   |
| Cross Hatch Aqua Aero Coil coating on ecoat  | 8. Cross Hatch Aqua Aero Coil coating on ecoat  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2018000099   |
| Cross Hatch Test Aqua Aero Coil Coating on Copper  | 9. Cross Hatch Test Aqua Aero Coil Coating on Copper  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2019470086   |
| Taber Multi Clear  | 10. Aqua Aero Multi Clear Abrasion test   | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2020110053   |
| Aqua Aero Coil Flexibility   | 11. Aqua Aero Flexibility Cylindrical Mandrel Test  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2020120057   |
| Aqua Aero AMPower® Coat Mandrel  | 12. Aqua Aero AMPower® Coat Flexibility Cylindrical Mandrel Test on Senzimir  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2020260085   |
| Aqua Aero AMPower® Coat Mandrel  | 13. Aqua Aero AMPower® Coat Flexibility Cylindrical Mandrel Test on Aluminum  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2020260084   |
| Aqua Aero AMPower® Coat CrossHatch Copper  | 14. Aqua Aero AMPower® Coat Adhesion Cross Hatch Copper   | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2020250076   |
| Aqua Aero AMPower® Coat CrossHatch Senzimir  | 15. Aqua Aero AMPower® Coat Adhesion Cross Hatch Senzimir   | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2020250075   |
| Aqua Aero AMPower® Coat CrossHatch Aluminum  | 16. Aqua Aero AMPower® Coat Adhesion Cross Hatch Aluminum   | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2020250074   |
| <b>5. UV Resistance Tests</b>  | <b>Coating UV exposure</b>  | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| 1.000 hour UV Test Aqua Aero Coil Coating  | 1. Aqua Aero Coil Coating Exposure to UV in general daylight  | COT independent lab                 | <a href="mailto:info@cot-nl.com">info@cot-nl.com</a>                     | Arianne Vastenhout           | lab15-0424   |
| 1.000 hour UV Test Aqua Aero Coil Coating  | 2. Aqua Aero Coil Coating Exposure to UV in general daylight  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | T2021140021  |
| 3.000 hour Multi AA panel coating  | 3. Multi AA exposure to UV in general daylight  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2020110054   |
| <b>6. Food Grade Tests</b>   | <b>Food Grade</b>   | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| FDA Conformity certificate Aqua Aero Coatings  | 01. Certificate of Conformity with the Test Requirements of USA FDA Code of Federal Regulations (CFR21) Section 175.300 (Resinous and Polymeric Coatings) | Textile lab                         | <a href="mailto:info@textilelab.nl">info@textilelab.nl</a>               | Dennis Levels                | A2017-304052-001                                     |
| NSF Listing 2018 Aqua Aero Coil Coating = Aqua Aero DET = Multi Coat = Aqua Aero KL10K = Pan Coating   | 02. NSF Listing Letter  | NSF Non Food                        | <a href="mailto:nonfood@nsf.org">nonfood@nsf.org</a>                     | general                      | 154729   |
| <b>7. Hydrophilic &amp; Hydrophobic</b>  | <b>Hydrophilic &amp; Hydrophobic</b>  | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| Hydrophilic & Hydrophobic contact angle measurement  | 01. Intertek report Hydrophilic Hydrophobic   | Intertek                            | <a href="mailto:nl.enquiries@intertek.com">nl.enquiries@intertek.com</a> | Mark Triepels                | 20162001   |
| <b>8. Sulphuric Exposure</b>   | <b>H2S test</b>   | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| Testing of a heat exchanger coated with KL10K Coil Coating, Aqua Aero Coil Coating, MC Siloxane Header Coating for H2S resistance at elevated humidity | 01. Aqua Aero Coatings in high concentration sulphur atmospheres  | COT independent lab                 | <a href="mailto:info@cot-nl.com">info@cot-nl.com</a>                     | Arianne Vastenhout           | LAB 16 0264  |
| <b>9. SWAAT - Micro Channel</b>  | <b>SWAAT</b>  | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| SWAAT Test Aqua Aero Coil Coating on minicoil  | 01. SWAAT test on mini coils  | Auto Technology Company             | <a href="mailto:ph#4405727800">ph# 440 572 7800</a>                      | Josh Greene                  | ATL - 1910 4 15 c for Metal Processing International |
| <b>10. Chemical Resistance against Fluids</b>  | <b>Cleaning Chemicals</b>   | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| Fluid chemical resistance Acetic Acid  | 1. Aqua Aero Coil Coating Chemical Resistance Against Fluids 10% Acetic Acid  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2018460091   |
| Fluid chemical resistance Acetic Acid  | 2. Multi AA Chemical Resistance Against Fluids 10% Acetic Acid  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2018460092   |
| Fluid chemical resistance IPA  | 3. Aqua Aero Coil Coating Chemical Resistance Against Fluids 70% IPA  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2016370022   |
| Fluid chemical resistance Ethanol  | 4. Aqua Aero Coil Coating Chemical Resistance Against Fluids 70% Ethanol  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2016370022   |
| Fluid chemical resistance Hydrogen Peroxide  | 5. Aqua Aero Coil Coating Chemical Resistance Against Fluids 2% Hydrogen Peroxide   | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2016370021   |
| Fluid chemical resistance Quaternair Ammonia   | 6. Aqua Aero Coil Coating Chemical Resistance Against Fluids 1% Quaternair Ammonia  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2016370023   |
| Fluid chemical resistance Sodium Hydroxide   | 7. Aqua Aero Coil Coating Chemical Resistance Against Fluids Sodium Hydroxides (pH10.41)  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2018450087   |
| Fluid chemical resistance Ammonia Hydroxide  | 8. Aqua Aero Coil Coating Chemical Resistance Against Fluids Ammonia Hydroxide (pH10.26)  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2018450086   |
| Fluid chemical resistance Potassium Hydroxide  | 9. Aqua Aero Coil Coating Chemical Resistance Against Fluids Potassium Hydroxide (pH10.03)  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2018450088   |
| Fluid chemical resistance Potassium Sulphuric Acid   | 9. Aqua Aero Coil Coating Chemical Resistance Against Fluids Sulphuric Acid (pH0.86)  | Dercom Coating Innovations          | <a href="mailto:info@dercom.nl">info@dercom.nl</a>                       | Fred Derks                   | 2019240046   |
| <b>11. Anti Microbial</b>  | <b>Anti Microbial</b>   | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| Aqua Aero Coil AM with Additive  | 1. Aqua Aero Coil and Coil Hydrophilic anti microbial working   | Textile lab                         | <a href="mailto:info@textilelab.nl">info@textilelab.nl</a>               | Dennis Levels                | A2016 304052 - 002A V2                               |
| AMPower® Anti-bacterial Test broad spectrum  | 2. 2008AMPower® ISO 22196 anti-bacterial test   | IMSL                                | <a href="mailto:kyle.allison@imsl-uk.com">kyle.allison@imsl-uk.com</a>   | Kyle Allison                 | IMSL2020/09/043.1C-1                                 |
| AMPower® Anti Virus test   | 3. 2008AMPower® Report effectiveness on enveloped viruses   | IMSL                                | <a href="mailto:kyle.allison@imsl-uk.com">kyle.allison@imsl-uk.com</a>   | Kyle Allison                 | IMSL2020/10/010.2A-1                                 |
| <b>12. Explosion Proof</b>   | <b>NEMA 4X</b>  | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| NEMA 4X  | 1. Multi Coat According to NEMA 250 - UL 1332 as part of NEMA 4X  | COT independent lab                 | <a href="mailto:huijzer@cot-nl.com">huijzer@cot-nl.com</a>               | Arianne Vastenhout           | lab 14 0466  |
| <b>13. Flame Spread and Smoke Index</b>  | <b>Flame spread and smoke according to International building code</b>  | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| Compliance of smoke and flame spread according to the building code ASTM E84   | 1. Surface burning characteristics of building materials Aqua Aero Coil Coat  | HPVA Laboratories                   | <a href="mailto:ChrisP@capitaltesting.org">ChrisP@capitaltesting.org</a> | Chris Palumbo                | T-15680A   |
| Compliance of smoke and flame spread according to the building code ASTM E84   | 2. Surface burning characteristics of building materials Aqua Aero Pan Coating  | HPVA Laboratories                   | <a href="mailto:ChrisP@capitaltesting.org">ChrisP@capitaltesting.org</a> | Chris Palumbo                | T-15680A   |
| Compliance of smoke and flame spread according to the building code ASTM E84   | 3. Surface burning characteristics of building materials Aqua Aero Hydrophilic Coating  | HPVA Laboratories                   | <a href="mailto:ChrisP@capitaltesting.org">ChrisP@capitaltesting.org</a> | Chris Palumbo                | T-15680A   |
| <b>14. KL10K Solvent Based</b>   | <b>Compliance reports</b>   | <b>Test lab</b>                     | <b>Email for verification</b>  | <b>Name for verification</b> | <b>Doc ref</b>                                       |
| KL10K Acetic Salt Spray 3.000 hours  | 1. Aqua Aero KL10K solvent based Acetic Salt Spray Test ASTM G 85 annex 5   | COT independent lab                 | <a href="mailto:info@cot-nl.com">info@cot-nl.com</a>                     | Arianne Vastenhout           | lab 18 05 58   |

|   |  |                            |                               |                              |                 |
|---|--|----------------------------|-------------------------------|------------------------------|-----------------|
| KL10K flexibility   | 2. Aqua Aero KL10K solvent based flexibility test on an aluminum fin   | COT independent lab        | info@cot-nl.com               | Arianne Vastenhout           | lab 18 05 56    |
| KL10K Sulphur   | 3. Aqua Aero KL10K solvent based resistance to Sulphuric environment   | COT independent lab        | info@cot-nl.com               | Arianne Vastenhout           | lab 18 05 60    |
| KL10K Saltspray 10.000 hours                                      | 4. Aqua Aero KL10K solvent based neutral Salt Spray Test 10 000 hours  | COT independent lab        | info@cot-nl.com               | Arianne Vastenhout           | lab 18 05 55    |
| KL10K UV  | 5. Aqua Aero KL10K solvent based UV resistance   | COT independent lab        | info@cot-nl.com               | Arianne Vastenhout           | lab 18 05 59    |
| KL10K abrasion  | 6. Aqua Aero KL10K solvent based abrasion test   | COT independent lab        | info@cot-nl.com               | Arianne Vastenhout           | lab 18 05 57    |
| <b>15. Multi Coat</b>   | <b>Compliance reports</b>  | <b>Test lab</b>            | <b>Email for verification</b> | <b>Name for verification</b> | <b>Doc ref</b>  |
| Salt Spray of Multi Clear on Powder Coat 10.000 hours             | 1. Salt Spray test of Multi Coat Clear on Powder coat  | Dercom Coating Innovations | info@dercom.nl                | Fred Derks                   | 2018450086      |
| Salt Spray of Multi AA on Mastic AA 5.000 hours                   | 2. Salt Spray Multi AA on Mastic AA primer (on Steel)  | Dercom Coating Innovations | info@dercom.nl                | Fred Derks                   | 2019240041      |
| Salt Spray of Multi AA on Mastic AA 10.000 hours                  | 3. Salt Spray Multi AA on Mastic AA primer (on Alu)  | Dercom Coating Innovations | info@dercom.nl                | Fred Derks                   | 2019240041      |
| Salt Spray of Multi SB on Mastic AA 10.000 hours                  | 4. Salt Spray Multi AA on Mastic AA primer (on Alu)  | Dercom Coating Innovations | info@dercom.nl                | Fred Derks                   | 2021130019      |
| Solvent Rub Test Multi Clear                                      | 5. Solvent Rub Test Multi Clear  | Dercom Coating Innovations | info@dercom.nl                | Fred Derks                   | 2019300051      |
| <b>16. Pan Coating</b>  | <b>Compliance reports</b>  | <b>Test lab</b>            | <b>Email for verification</b> | <b>Name for verification</b> | <b>Doc ref</b>  |
| Saltspray test 3.000 hours  | 1. Aqua Aero Drain Pan Liner // Giet Coating SALT SPRAY TEST   | COT independent lab        | info@cot-nl.com               | Arianne Vastenhout           | LAB 11 0824 REP |
| Flexibility test  | 2. Aqua Aero Drain Pan Liner // Giet Coating FLEXIBILITY TEST  | COT independent lab        | info@cot-nl.com               | Arianne Vastenhout           | LAB 11 0819 REP |
| Pan Coating comparison to SST                                     | 3. Aqua Aero Drain Pan Liner // Giet Coating COMPARISON TO STAINLESS STEEL IN SALTSPRAY TEST                 | COT independent lab        | info@cot-nl.com               | Arianne Vastenhout           | LAB 20 134 REP  |
| <b>17. Heat Pump</b>  | <b>Adhesion and temperature cycles</b>   | <b>Test lab</b>            | <b>Email for verification</b> | <b>Name for verification</b> | <b>Doc ref</b>  |
| Adhesion Aqua Aero Coil Coating to Precoated Heatpump Coils       | 1. Adhesion Test of Aqua Aero Black II to pre coated heatpump coil = 50 cycles of hot (70°C) to cold (-27°C) | Dercom Coating Innovations | info@dercom.nl                | Fred Derks                   | 2021150023      |
| Adhesion of various precoated coils used in heatpump applications | 2. Adhesion of various precoated coils used in heatpump applications   | Dercom Coating Innovations | info@dercom.nl                | Fred Derks                   | 2020140067      |
| <b>18. Aqua Aero Coil Salt Spray Test waterbased</b>              | <b>Compliance reports</b>  | <b>Test lab</b>            | <b>Email for verification</b> | <b>Name for verification</b> | <b>Doc ref</b>  |
| 2001 AMPower® 5.000 hours   | 1. Saltspray Test Aqua Aero AMPower® Coat  | Dercom Coating Innovations | info@dercom.nl                | Fred Derks                   | 2020330092      |
| Aqua Aero Coil Coating 15.000 hours                               | 2. Salt Spray Test Aqua Aero Coil Coating  | COT independent lab        | info@cot-nl.com               | Arianne Vastenhout           | LAB 20 410 REP  |
| <b>19. Aqua Aero Coil Coat Water Immersion</b>                    | <b>Compliance reports</b>  | <b>Test lab</b>            | <b>Email for verification</b> | <b>Name for verification</b> | <b>Doc ref</b>  |
| Coil Coating Water Immersion                                      | 1. Aqua Aero Water Immersion Test  | Dercom Coating Innovations | info@dercom.nl                | Fred Derks                   | 2019220034      |