

COILPROTEK

PROTECTS EVAPORATOR COILS & CONDENSING UNITS



CERTIFICATE OF MINIMUM 1000 HOURS FIELD PERFORMANCE

The certificate and testimonial provided herein is based on actual trials conducted after application of the CoilProtek anti-corrosive coating formulated for the protection of heat exchangers for air cooled Condensers and Evaporators. Protection is specific to the copper pipes and aluminum fins associated with this equipment.

STAGE 1: PARAMETERS FOR HUMIDITY TEST CONDUCTED ON COPPER PIPES COATED WITH **COILPROTEK**

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|-----------------------------|---|-------------------------------|
| 1. Relative Humidity | - | 85% |
| 2. Temperature | - | 50°C |
| 3. Test Duration | - | 72 Hrs. (intermittent) |
| 4. Test Period | - | 18 days |
| 5. Total Exposure | - | 1296 Hours |

STAGE 2: **COILPROTEK** was field tested on a working air cooled chiller at Chennai, India. The chiller was located on the banks of river Cooum, Chennai, India, with very corrosive ambient conditions due to the following:

- 1. High salinity in the air from prevailing ocean breezes.**
- 2. Presence of large volumes of methane gas emanating from polluted river.**
- 3. Presence of hydrogen sulfide gas from above mentioned source.**

TEST CONDITIONS:

- 1. A brand new air cooled chiller condenser coil was coated with **COILPROTEK** manufactured by LIQUIGUARD TECHNOLOGIES, INC., USA.**
- 2. Chiller operation - 8 to 10 hours per day.**
- 3. Total number of days since the commencement of the test - 486 days.**
- 4. Total number of hours since the commencement of test - 4,500 hours +.**

Geographic data on Cooum River, the site of the above test:

The Cooum River is the most polluted river in India. Its termination point is the city of Chennai (formerly Madras) draining into the Bay of Bengal. Along with the Adyar River, which runs in parallel to the south, the river trifurcates the city and separates Northern Chennai from Central Chennai.

Source: [Cooum River - Wikipedia, the free encyclopedia](https://en.wikipedia.org/wiki/Cooum_River) en.wikipedia.org/wiki/Cooum_River