ANTICORROSION PROTECTION FOR FINNED PACK HEAT EXCHANGERS (COILS) WITH ALUMINIUM FINS.

- The anticorrosion protection should be applied on the finned pack after the coil assembly, i.e. after the fin moulding under the fin press and the tube expansion into the fin collars. A pre-coating of the aluminium coil before the fin moulding under the press is not acceptable.

- The applied product should have a resistance to saline fog as per ASTM B117 of at least 5000 hours and should be certified as resistant to vapours/aeriforms as per enclosed Resistance List.

- The product should be polyurethane based with a sufficient fluidity to guarantee the complete penetration of the finned pack;

- The product should cure after application in no more than 3 hours (touch dry);

- The product and its application should guarantee a complete penetration of the finned pack of any thickness and feature a particular resistance on the fin edge exposed to the entering air flow.

- The product should be applied by a double operation: a) flooding method by flowing the product through the finned pack by gravity (AiAX Silver Flow); b) by spraying the fin edge to double the protection on the point most exposed to corrosion (AiAX Silver Spray);

- The thickness of the protection on the fin edge should be about 25 μm after the application.

- The product should be re-applicable more than once by spraying to make it possible the coil maintenance following a frequency of intervention determined by the pollution situation on the coil installation site.