



PROBLEM

Heat exchangers are subject to severe corrosion because of their construction, which usually combines incompatible metals and because of the volume of polluted air passing through them. Corrosion and pollution of heat exchangers will directly affect the performance of the air conditioning system. The heat exchanger must be sealed off from the environment in a manner that will not reduce its heat transferability or cause a pressure drop. When this is accomplished, the cooling capacity will remain intact and energy consumption can be controlled.



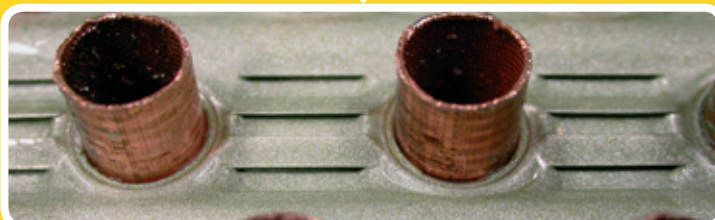
WHY USE POLUAL XT?

- To control cooling capacity and energy consumption
- To extend the life time of the heat exchanger

SOLUTION

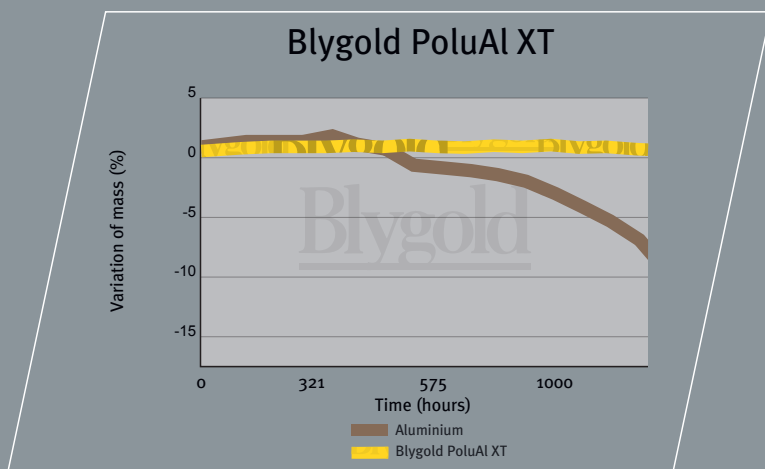
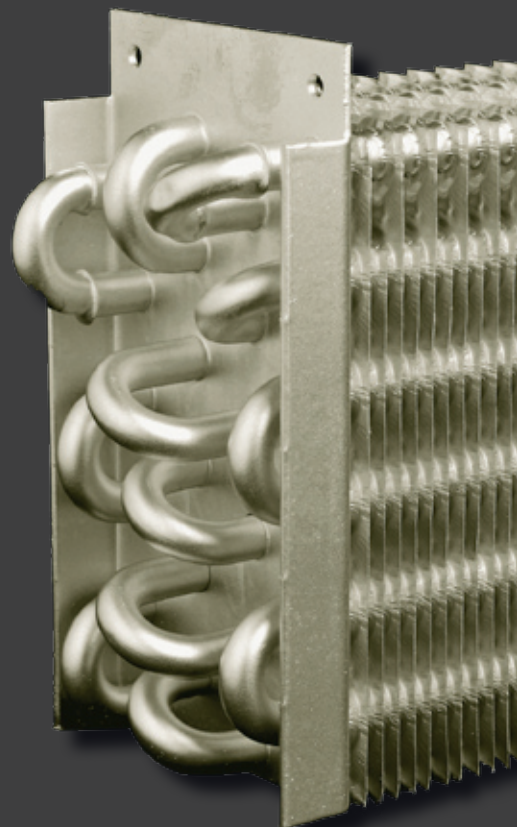
The Blygold PoluAl XT coating provides a long lasting corrosion protection to heat exchangers, without affecting heat transfer and pressure drop. The system can be applied in the factory as well as on-site.

The heat conductive pigmentation in the coating is oriented in such a way that it creates a very high chemical resistance at a low layer thickness. In combination with the unique application procedures of certified Blygold applicators the PoluAl XT is the best available option to prevent air conditioning failure and unnecessary energy consumption.



TECHNICAL INFORMATION

Treatment:	Blygold PoluAl XT
Coating type:	Aluminum pigmented polyurethane
Color:	Champagne
Pretreatment:	Degreasing
Temperature Range (dry):	-20 to 150°C (-4° to 302°F)
Substrates:	Aluminum and Copper
ASTM B117:	4000+ hours (neutral-salt spray test)
ASTM B-287:	4000+ hours (acid-salt spray test)
Kesternich (2.0 ltr SO ₂):	80 cycles
Layer Thickness:	25-30 µm (1 mil)
Pressure Drop:	0-5 % (depending on fin geometry)
Thermal Resistance:	0-3 % (depending on fin geometry)
Application:	Qualified Blygold Applicator
UV Resistance:	Excellent
Adhesion (cross hatch):	0 (European) 5b (USA)
Applications:	Heat exchanging surfaces in corrosive conditions
Chemical Resistance:	Excellent



CONTACT

Blygold International B.V.
 PO Box 44, 3990 DA Houten The Netherlands
 Phone: +31 30 6344344 – Fax: +31 30 6344300
 E-mail: info@blygold.com – www.blygold.com



YOUR LOCAL BLYGOLD APPLICATOR