

# EPOXY COATED FINS



## APPLICATION

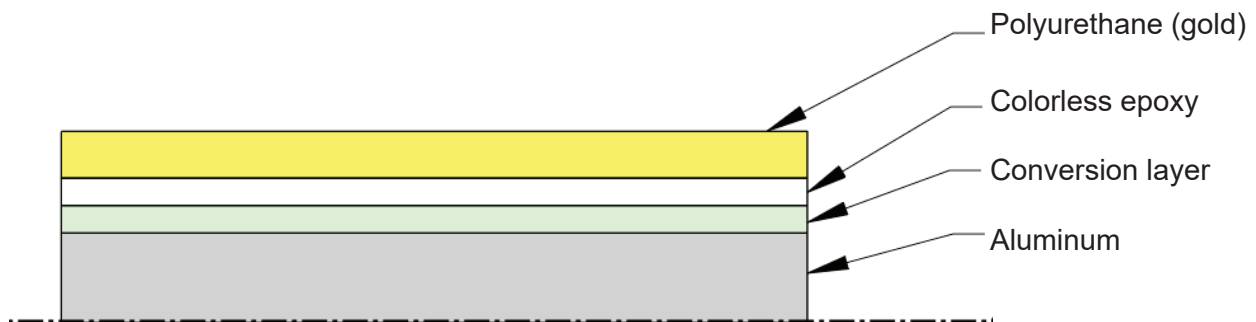
- Coils and air coolers for the food industry
- Heating and cooling coils in aggressive environments
- Coils for marine duty
- Dry coolers and air-cooled condensers
- Heat pipes for heat recovery

## BENEFITS

- Over 300% more resistant to corrosion than bare aluminum fins
- High thermal conductivity with negligible impact on heat transfer
- Flexible - will not peel, crack or chip
- Highly resistant to abrasion
- Fin collar heights of up to 1/2" (2 fpi)
- Coating does not support growth of micro-organisms

## SPECIFICATIONS

- The coating system (EPPU) consists of the base aluminum alloy prepared with a chemical conversion layer coated with a colorless epoxy layer and a final polyurethane top coating.



- Heat resistance: 200 deg C/5 min
- Solvent resistance: Trichlorethlene (85 deg C/5 min), Perchlorethylene (120 deg C/30 min)
- Salt spray test (ASTM B117): >1,000 h
- Kesternich test (ISO 3231): > 15 cycles
- Humidity test (DIN 50017): No degradation, no corrosion
- UV resistance (ASTM G154): OK

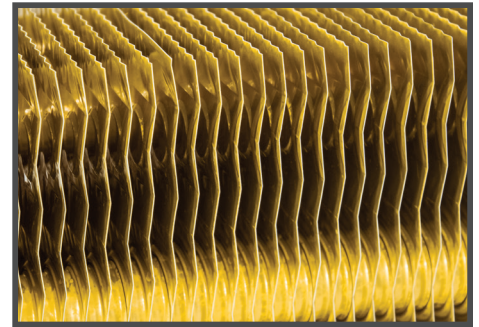


## DESCRIPTION

The service life of a finned heat exchanger depends on the concentration of the substances in the air and thus on the application area. The use of epoxy resin coated aluminum fins improves corrosion resistance and extends the life of the heat exchanger.

This product can be used on any Colmac plate fin coil product in any environment. The coating system is corrosion and UV resistant.

Selection of the epoxy resin coated aluminum fins is simple and easy using Colmac Coil selection software.



CE(PED) Certification, ASME Sec. VIII, Canadian Registration Number, UL508, Canadian Standards Association



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***"The Heat Transfer Experts"***