

Product Sheet

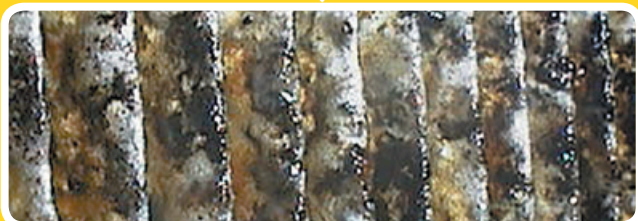
PoluAl XT MB



PROBLEM

Cooling equipment causes unhygienic problems. The cooling coil is an underestimated source of hygienic contamination. On the heat exchanger surface, one can find bacteria, yeast and molds of all strains. This often occurs when the heat exchangers and the condensation outlets of these units are not regularly cleaned and disinfected.

If they are not treated and subsequently cleaned and disinfected, they can become a constant source of infection. Forced ventilation of contaminated air presents a real danger in the food industry, hospitals, care centers and even in offices. This danger can vary from bad odor to contamination of food.

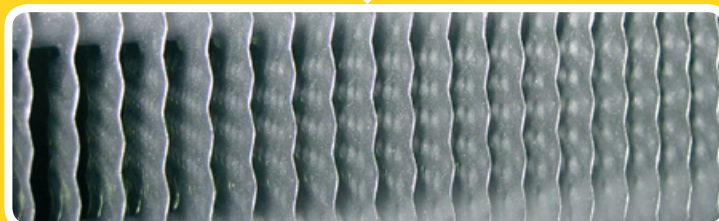


WHY USE POLUAL XT MB?

- To prevent unhygienic problems at cooling equipment
- Corrosion protection

SOLUTION

Blygold PoluAl XT MB is a corrosion resistant coating that is developed for heat exchanger surfaces in hygienically sensitive environments. PoluAl XT MB will improve the quality of the cooled air, prevent bad odors and reduce the adhesion of pollution. The need for cleaning and disinfecting is lessened and aggressive chemicals are not required. To optimize the condition of the Blygold PoluAl XT MB treated heat exchangers, disinfecting with Blygold DEC is recommended.

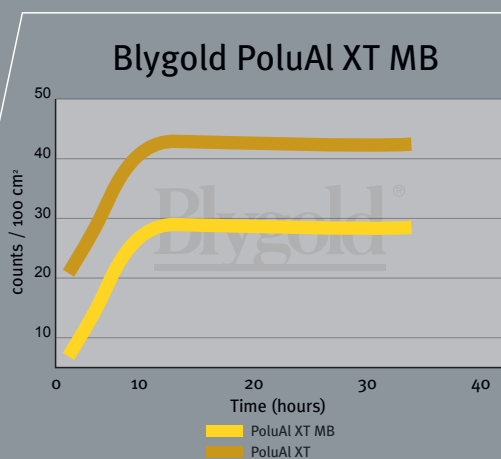


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PoluAl XT MB

TECHNICAL INFORMATION

| | |
|--|---------------------------------------|
| Treatment: | Blygold PoluAl XT MB |
| Coating type: | Aluminum pigmented polyurethane |
| Color: | Champagne |
| Pre-treatment: | 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 B287: | 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 Exchangers |
| Chemical Resistance: | Excellent |



Indoor microbiological concentration limits (n/m³)

| CLASS | DESCRIPTION | GERMS | FUNGI+YEAST |
|-------|----------------------------------|------------|-------------|
| I | Operating Theatres | < 100 | < 100 |
| II | Offices with airco | 100 - 750 | 100 - 750 |
| III | Communal rooms | 700 - 1250 | 700 - 1250 |
| IV | Private dwelling + food industry | > 1250 | > 1250 |

CONTACT

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