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EGuard DCC Aluminum LV

EGuard DCC Aluminum LV is Ultra Low VOC moisture curing polyurethane coating impregnated with 30% aluminum flakes specifically developed for all types of heat exchangers. Formulated with our new DCC Technology, EGuard DCC Aluminum LV cures faster and increases adhesion, offering excellent sealing properties as well as the ultimate weathering resistance against corrosion in all types of environments and chemical vapor exposure conditions.

EGuard DCC Aluminum LV resists microbial growth and contamination of coils by blocking dirt and dust adhesion. Micro-organisms such as fungi, mildew, stain causing bacteria, and algae can add to the corrosion process and cause unwanted odors. EGuard DCC Anti-Corrosion coatings can be applied before assembly of the unit, before or during installation or even years after installation. **EGuard** DCC Aluminum LV used on heat exchangers maximizes ENERGY EFFICIENCY.

PERFORMANCES

Gloss:	Semi Gloss
Color:	Metallic Aluminum
Volume Solids:	55%
VOC:	0.81 1lbs/gal – 97g/l
Density:	10.8 lbs/gal – 1.28 kg/l - (at 68°F / 20°C)
Dry film thickness:	0.8-1.6 mils (20-40 µm)
Theoretical coverage:	900 sq.ft/US gallon at 1 mil DFT 22.0 m ² /l at 25 µm DFT
Heat resistance:	Maximum 356°F /180°C (dry load)
Drying Times:	Dust free after 0.25 hours at 68°F (20°C) Fully Cured 5 days at 68°F (20°C)
Mix Ratio:	1:1 Material is supplied in one gallon containers



WORK PROCESS

Thinning:	If required, a maximum of 10% of EnergyGuard Thinner-PU 5411 (VOC Free) can be added. Consult with an EnergyGuard representative.
Working Pot Life:	4 hours at 68°F (20°C)

APPLICATION

EGuard DCC Aluminum LV coating system can be applied with high pressure air assisted coating equipment. Begin by degreasing the surface with EGuard Coil Cleaner followed by the application of EGuard Fin Primer. The chemical reaction between the EGuard Fin Primer and the aluminum substrate creates the mechanical bonding for EGuard DCC Aluminum LV to adhere to the substrate.

Application Conditions

Air temperature needs to be at least 41°F /5°C during the application to ensure proper adhesion and curing. Keep the application area well ventilated during application and drying time in order to reduce solvent evaporation.

Method of Application

Preferably by means of air mix spray application. Also see EGuard Operational Manual.



BEFORE



AFTER

EGuard DCC Aluminum LV can be applied on all types of heat exchangers.

PERFORMANCE TESTING

EGuard DCC Aluminum LV anti-corrosion performance test reports are available for the following environments:

- Marine: ASTM B-117
- Urban: ASTM G85
- UV Weathering: ASTM D 4587/ 4141 & ISO 11341 / 11507

Chemical resistance list is available upon request.

ENVIRONMENT & HEALTH

Labeling is in accordance with EU directions 67/548/EEG and in accordance with directives on hazardous materials. Before use, obtain, read and then follow the advice given on the Material Safety Data Sheets and the Health and Safety section of Coating Applications Procedures for this product. Take precautions to avoid skin and eye contact (overalls, gloves, goggles, masks, barrier cream etc.) **Do not eat, drink or smoke during application.**

WARRANTY & DISCLAIMER

The technical data and other printed information furnished are true and accurate to the best of our knowledge. The products are warranted pursuant to acceptance of limited warranty. A copy of which can be obtained from Monopoly BV, which is the exclusive warranty with respect to the sale of this product. The modification of any component or uses not outlined in this bulletin nullifies the warranty unless advance written confirmation is obtained from Monopoly. No other warranties expressed or implied shall apply. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, shall be to supply replacement materials as set forth in the limited warranty.