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## EGuard DCC Top Coat

EGuard DCC Top Coat is a unique ultra high solid, low VOC unique clear coat specifically developed to provide comprehensive corrosion protection for the outer casing of any HVAC & R unit. Formulated with our new DCC Technology, EGuard DCC Top Coat cures faster without the need of heat or other catalyst. EGuard DCC Top Coat is suited for OEM and ACE finishing applications.

EGuard DCC Top Coat offers excellent protection against abrasion, moisture, corrosive fumes and chemical contacts in all types of environments conditions. EGuard DCC Top Coat resists microbial growth and contamination 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. In addition EGuard DCC Top Coat is a unique solution to maintaining the original color of any HVAC&R casing or other metal surface in superb conditions.

EGuard DCC Anti-Corrosion coatings can be applied before assembly of the unit, before or during installation or even years after installation.

### FEATURES & BENEFITS

- Ultra High Solid & Low VOC's
- Fast Curing with No Out Gassing
- Graffiti Resistant
- Excellent Adhesion to most metal finishes
- Excellent UV Protection – Maintains High Gloss
- Chrome and Lead Free - Environmentally Friendly



### PERFORMANCES

<b>Gloss:</b>	Full Gloss
<b>Volume Solids:</b>	92%
<b>VOC:</b>	.57 lbs/gal –69 g/l
<b>Density:</b>	8.74lbs/gal – 1.05 kg/l - (at 68°F / 20°C)
<b>Dry film thickness:</b>	2.4 - 4.8 mils (60 - 120 µm)
<b>Theoretical coverage:</b>	602 sq.ft/US gallon at 2.4 mil DFT 15.4 sq.m./l at 60 µm DFT
<b>Heat resistance:</b>	Maximum 176°F /80°C (dry load)
<b>Drying Times:</b>	Dust free after 10 minutes (at 68°F / 20°C) To Handle after 48 minutes (at 68°F / 20°C)
<b>Mix Ratio:</b>	3:2 by volume

## **WORK PROCESS**

- Mixing Instructions:** Mix EGuard DCC Top Coat component A with component B in a volume ratio of 3:2. Mix intensely, preferably using a mechanical mixer.
- Thinning:** If required, a maximum of 5% of EGuard Thinner-PU 5411 (VOC Exempt) or EGuard Thinner 5801 can be added. Consult with an EnergyGuard USA representative
- Working Pot Life:** 25 minutes at 68°F /20°C

## **APPLICATION**

The EGuard DCC Top Coat can be applied with conventional or airless spray equipment. Start with the surface preparation by degreasing and cleaning the surface area to be coated followed by the application of EGuard DCC Top Coat. The use of a primer depends on the substrate to be coated.

### **Application Conditions:**

Air temperature needs to be at least 50°F /10°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.

The temperature of the substrate must be 5°F / 3°C above the dew point. Keep the application area well ventilated during application and drying time in order to reduce any solvent evaporation. Best curing properties will be achieved at Relative Humidity 55% to 90%. Any contact with moisture must be avoided during curing process.

### **Method of Application:**

Preferred method of application is Airless or Conventional spray equipment.

## **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.