

## EnergyGuard DCC Cabinet Casing



*EnergyGuard DCC Cabinet Casing is the unique casing coating for all exposure conditions. EnergyGuard DCC Cabinet Casing, a poly urethane coating, will provide a comprehensive corrosion protection package to maintain total efficiency of the entire HVAC&R installation. With the new patented DCC technology, a faster curing will be obtained in combination with a superior performance and enhanced productivity, without the need for heat or other catalyst. Our optionally built in anti microbial properties provide a protection against mould, fungus, mildew and noxious bacteria causing odors, stains or premature deterioration of the article.*

### Features

**EnergyGuard** DCC Cabinet Casing can be formulated to suit nearly all OEM and ACE finishing applications. In addition, a superior solution is provided for fabrication shops and field maintenance applications.

Benefits of **EnergyGuard** DCC Cabinet Casing:

Fast Dry Retention

High film build capability

No Out gassing

Excellent Gloss

Graffiti Resistant

**EnergyGuard** DCC Cabinet Casing is resistant to almost all chemical vapor exposure conditions. As a guideline, use the Maximum Acceptable Concentration (or MAC value), as the exposure condition limit. If the MAC values are exceeded, **EnergyGuard** should be consulted.

A resistance list is available upon request.

*before treatment:*



*after treatment:*



### EnergyGuard anti-microbial coating systems (Optional)

**EnergyGuard** anti-microbial coating systems give a lifetime protection against unwanted odors caused by contamination of micro-organisms.

Apart from providing excellent anti-corrosion protection and energy conservation of the total system, these coating systems prevent chemical, galvanic and microbial corrosion by excluding dirt adhesion and growth of micro-organisms to the surface of the coil.

With the option, **EnergyGuard** anti-microbial coating systems prevent growth of fungi, mildew, stain causing bacteria and algae in order to extend the lifetime of your valuable equipment.

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## Application

The **EnergyGuard** DCC Cabinet Casing coating can be applied with conventional airmix or airless equipment. It starts with the surface preparation, degreasing and cleaning, followed by the application of the **EnergyGuard** DCC Cabinet Casing coating. The use of a primer is depending the substrate. It is always better to use the **EnergyGuard** ISO Primer for a superior adhesion on any surface. **EnergyGuard** Cabinet Casing can be applied on all types of HVAC & R equipment.

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## Work process

### Mixing Instructions

The **EnergyGuard** DCC Cabinet Casing component A, has to be mixed with Component B in a volume ratio of 3 : 1. The mixture has to be mixed intensively, preferably using a mechanical mixing device.

### Thinning

The paint can be applied without thinning when using airless spray equipment. Using airmix equipment, a maximum 10 % of **EnergyGuard** Thinner PU 5801 can be added. Please check with the R&D Department.

### Pot life

Mixed product life time at 20°C/68°F is 2 hours.

### Application conditions

In order to obtain the right film formation, the temperature needs to be at least 10°C/50 °F. The temperature of the substrate must be 3°C/5,4 °F above dew point. Keep application area well ventilated during application and drying in order to reduce evaporated solvents. This is necessary to acquire good drying conditions.

### Method of application

Preferably by means of airmix or airless spray application.  
Also see **EnergyGuard** Operational Manual (E.O.M.).

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## Performances

Gloss	Semi Gloss
Color	Standard Colors, Chrome and Lead free
Volume Solids	63 volume %
VOC	380 gr/ltr – 3,16 lbs/gal.
Density	1,40 kg/l - 11,66 lbs/gal (at 20°C./68 °F)
Dry film thickness	Standard: 60-120 µm – 2,4 - 4,8 mil (depending on the application process)
Theoretical coverage	10,5 m <sup>2</sup> /l (at a dry film thickness of 60 µm) 427,6 ft <sup>2</sup> /gal (at a dry film thickness of 2,4 mil)
Heat resistance	Maximum 120 °C / 248 °F (dry load)
Drying Times	Dust free after 60 minutes (at 20 °C/68 °F) Manageable after 8 hours(at 20 °C/68 °F)
Remark	Best curing properties will be achieved at Relative Humidity 55% - 80%. Furthermore, any contact with moisture must be avoided during this period.

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## Environment & Health

Labeling In accordance with EU directions 67/548/EEG and in accordance with directives on hazardous materials.

Harmful and irritating in contact with skin, eyes and by inhalation. In case of eye contact immediately wash with large amounts of water and contact a medical expert. Do not eat, drink or smoke during application.

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## 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.

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