

EnergyGuard DCC SF



EnergyGuard DCC SF is the unique coating for all exposure conditions. EnergyGuard DCC SF is applied on metal HVAC&R horizontal surfaces, like drain pans, water collectors and AHU flooring. Protecting the base of the casing, EnergyGuard DCC SF is developed to ensure a long lifetime and to improve physical appearances and easiness of cleaning. EnergyGuard DCC SF is completely VOC free and based on poly urethane resin. When mixed, a homogenic substance is created which can easily be rolled or casted on the metal surface creating a flexible layer. 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 SF 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 SF:

- ✓ Fast Dry Retention
- ✓ High film build capability
- ✓ No Out gassing
- ✓ Excellent Gloss

EnergyGuard DCC SF 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.



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.

Application

The **EnergyGuard** DCC SF coating can be applied with roller or casted on the metal surface creating a flexible layer. It starts with the surface preparation, degreasing and cleaning, followed by the application of the **EnergyGuard** DCC SF 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** DCC SF can be applied on all types of HVAC & R equipment.

Work process

Mixing Instructions

The **EnergyGuard** DCC SF component A, has to be mixed with Component B in a weight ratio of 5 : 1. The mixture has to be mixed intensively, preferably using a mechanical mixing device.

Pot life

Mixed product life time at 20 °C/68 °F is 45 minutes.

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 roller or casted on the metal surface creating a flexible layer.
Also see **EnergyGuard** Operational Manual (E.O.M.).

Performances

Gloss	Gloss
Color	Ral 7001, more Colors available, Chrome and Lead free
Volume Solids	100 volume %
VOC	0 gr/ltr – 0 lbs/gal.
Density	1,50 kg/l - 12,49 lbs/gal (at 20 °C./68 °F)
Dry film thickness	Standard: 2000 µm – 80 mil (depending on the application process)
Theoretical coverage	0,5 m ² /l (at a dry film thickness of 2000 µm) 20,4 ft ² /gal (at a dry film thickness of 80 mil)
Heat resistance	Maximum 80 °C/176 °F (dry load)
Drying Times	Dust free after 4 hours (at 20 °C/68 °F) Manageable after 48 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.

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.

UN; 1263

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.
