

EnergyGuard DCC ISO Primer



EnergyGuard DCC ISO Primer is the primer for all exposure conditions. EnergyGuard DCC ISO Primer is a two component anti-corrosive aluminum reinforced primer based on epoxy resins and an isocyanide curing agent. An anticorrosive adhesion primer, suitable for steel structures for marine and offshore purposes. 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. Good adhesion on various ferrous and non-ferrous substrates. Fast curing at low temperatures. Resistant to sea and sewage water. Mechanical strength provides minimum damages risk and rework. Can be finished with various coatings to provide durable protective coatings systems.

Features

EnergyGuard DCC ISO Primer can be formulated to suit nearly all OEM and ACE finishing applications.

Along with providing a superior solution for fabrication shops, and field maintenance applications.

Benefits of **EnergyGuard DCC ISO Primer**:

- ✓ Fast Dry Retention
- ✓ Excellent Adhesion on various substrates
- ✓ Excellent Corrosion Resistant



Application

The **EnergyGuard DCC ISO Primer** coating, can be applied with conventional airmix or airless equipment. It starts with surface preparation by degreasing and cleaning, followed by the application of the **EnergyGuard DCC ISO Primer** coating.

The use of a primer is depending the substrate. It is always better to use the **EnergyGuard DCC ISO Primer** for a superior adhesion on any surface.

EnergyGuard ISO Primer can be applied on all types of HVAC & R equipment.

Work process

Mixing Instructions

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

Thinning

The paint can be applied without thinning when using the air mix spray equipment. If required, a maximum of 10% of **EnergyGuard** Thinner PU 5801 can be added. Check with the R&D Department.

Pot life

At 20°C/68°F. 8 hours (mixed product).

Application conditions

In order to obtain the right film formation, the temperature needs to be at least 5°C/41 °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 air mix spray application. See **EnergyGuard** Operational Manual (E.O.M.).

Performances

	Gloss	Matt
Volume Solids		48 volume % (mixed product)
VOC		485 g/l – 4,0 lbs/gal
Density		1,30 kg/l - 10,8 lbs/gal (at 20 °C./68 °F)
Dry film thickness		Standard: 50-100 µm - 2-4 mil, depending on the application process
Theoretical coverage		9,6 m ² /l (at a dry film thickness of 50 µm) 384,9 ft ² /gal (at a dry film thickness of 2 mil)
Heat resistance		Maximum 80 °C/176 °F (dry load)
Drying Times		Dust free after 20 minutes (at 20 °C/68 °F) Recoatable after 12 hours(at 20 °C/68 °F)
Remark		Best curing properties will be achieved at Relative Humidity below 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.

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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.