

EnergyGuard DCC ZRU Primer



EnergyGuard DCC ZRU Primer is the primer for all exposure conditions. EnergyGuard DCC ZRU Primer is a two component anti-corrosive zinc reinforced primer based on urethane resins and an accelerator for extremely fast curing for recoating. An anticorrosive adhesion primer, suitable for steel, galvanized and aluminum structures, specially 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. Test report of 6.500 hours of saltspray test according ASTM 117, is available!

Features

EnergyGuard DCC ZRU 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 ZRU Primer**:

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

before treatment:



after treatment:



Application

The **EnergyGuard DCC ZRU 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 ZRU Primer** coating.

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

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

Work process

Mixing Instructions

The **EnergyGuard DCC ZRU Primer** component A can be mixed with component B in a volume ratio of 4:1. The mixture has to be mixed intensively, preferably using a mechanical mixing device.

Thinning

The paint must be applied without thinning when using the air mix spray equipment.

Pot life

Please remember that **EnergyGuard DCC ZRU Primer** is a moisture sensitive product, after opening it is recommended to use all of the product within 12 hours. At 20°C/68°F, the mixed product with the accelerator is 4-6 hours.

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
	Colour	Grey
	Volume Solids	63 volume % (mixed product)
	VOC	340 g/l – 2,8 lbs/gal
	Density	2,84 kg/l – 23,7 lbs/gal, mixed product.(at 20 °C./68 °F)
	Dry film thickness	Standard: 50-75 µm - 2-3 mil, depending on the application process
	Theoretical coverage	12,6 m ² /l (at a dry film thickness of 50 µm) 505,3 ft ² /gal (at a dry film thickness of 2 mil)
	Heat resistance	Maximum 121 °C/250 °F (dry load)
	Drying Times	Dust free after 10 minutes (at 20 °C/68 °F)
(at a dry film thickness of 50 µm - 2 mil)		Recoatable after min.15 minutes – max 15 hours (at 20 °C/68 °F)
	Fully cure	3 days
	Remark	Best curing properties will be achieved at 50-90% Relative Humidity. 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.
