

Zinc rich epoxy primer

Product description:

Two component epoxy based primer, rich with fine zinc powder. It gives cathodic protection to iron surfaces which immune them against corrosion, even if some of the paint falls off.

Recommended use:

It is mainly used to protect the iron and steel structure, exposed to marine environments, against corrosion, above and underwater.

Physical properties

Colour	:	grey.
Solid content	:	90% \pm 2
Coverage power	:	4-5 m ² /kg for one coat
Sp. Gravity	:	2.86 g/Cm ³
Mixing ratio	:	22: 1
Viscosity	:	200 sec (ford cup).
Surface dry	:	30 min
Hard dry	:	4hours.
Full curing	:	4-7 days.
Pot life	:	24 hour,

Film thickness & spreading rate:

	Minimum	Maximum	Typical
Film thickness, dry (μ m)	30	90	60
Film thickness, wet (μ m)	50	160	105
Theoretical spreading rate (m ² /l)	21	6	13.5

Drying time

Drying times are generally related to air circulation, temperature, film thickness & number of coats.

The table shows the drying time corresponding to the atmospheric

Temperature:

Substrate temp.	10° c	25° c	40° c
Surface dry	20min.	10 min.	4 min.
Through dry	2hr	1.5hr	40min.
Cured	6d	4d	2d
Dry to recoat,min	2hr	1.5hr	40min.

Surface preparation

Surface should be clean, dry and free from any contaminations. The surface should be treated by suitable methods to allow coated surfaces receiving primer coat to be capable of maximum adhesion.

Bare steel: cleanliness: blast- cleaning to 2 ½ sa

Application methods:

Should be used directly on iron surfaces, after thoroughly removing rust, in order to give the complete protection against corrosion.

The two components, first should be mixed together, it is recommended to apply two or three coats to get better protection.

The second coat should be applied 6 hours after the first coat. Never apply this paint on previously painted surfaces.

Storage:

Product must be stored in accordance with rural regulations. And the storage conditions are to keep the containers in a dry, cool, well- ventilated areas, and away from source of heat and ignition.

Packing

To be agreed upon with client.

Ready packing:

Kgs 4.00 cans

Kgs 20.00 cans

Health and safety

Please observe the precautionary notices displayed on the container. Use under well- ventilated conditions. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Flammable product to be used and stored away from heat sources and naked flames. Do not smoke when using, avoid prolonged inhalation. Observe the general rules governing the use of solvents.

Use protective goggles and gloves, work in well ventilated areas with constant renewal of the air.