

DUOPOL® Z60

Epoxy Zinc Rich Primer

Product description

High percentage two-pack epoxy zinc rich primer for high performance corrosion protection. Thanks to a content of above 90 % zinc, excellent cathodic (electrochemical) corrosion protection. Thermal resistance up to approx. 140 °C dry heat. Mentioned on Basle-Norm (BN 108) admission list, layer Z.

Areas of application

Steel constructions for chemical industry plant, machine parts, piping and storage tank exteriors, power plants, waste disposal plants, steel hydraulic stations, and containers. Special formula to meet requirements of steel construction and sand blasting plants. Particularly suitable for demanding chemical and mechanical use.

Application and Thinning

Airless / Airmix, brushing and rolling.

Do not apply at temperatures below + 10° C. Surface temperature must be at least 3° C above dew point to prevent condensation during application.

The maximum dry film thickness of the zinc rich primer should not exceed 150 µm, particularly if top coats are to be applied additionally.

Can be recoated with Duopol Z60 after 15 hours at 20 °C, with intermediate or top coats at 20° C after 24 hours at the earliest.

Application	Thinning	Nozzle
Air-atomising diaphragm pump	approx. 0 - 5 % V2	1.6 – 2.0 mm
Airless / Airmix	without thinning	narrow 2/13 medium 4/13 large 6/13
Brushing and Rolling	approx. 0 - 5 % V2	

Special notes

Our indications are based on normal climate 23/50. The information contained in this technical data sheet is based on general technical standards and is meant for specialists. Any changes in the recommended operating procedures or specified environmental conditions may significantly influence the results. Our guarantee covers only the quality of the material delivered. We do not undertake any responsibility for the application. In case of doubt, we recommend contacting our Technical Service. Our products are under constant development. Therefore, please note date of issue of our technical data sheet and ask for latest edition (also available directly from our website).

Safety measures

Duopol Z60 contains solvents and is combustible. Protect from heat and keep away from naked flames. Ensure that ventilation is adequate. Do not inhale vapours. The Safety Data Sheet as well as the general regulations regarding work hygiene and operational measures must be observed.

Technical data

Binder	2-pack epoxy resin
Pigmentation	Zinc dust powder
Finish	Matt
Color	Zinc grey
Surface	Blast cleaning according to ISO 8501-1 Sa 2 1/2. Remove abrasive residue or dust from surface. Recoat as soon as possible after blast cleaning to prevent corrosion. The surface must be dry, free of grease and dust.
Thinner	V2 The use of other thinners may lead to defects and inferior quality.
Packaging	Pigment: 16 kg disposable containers Hardener: 0,4 kg disposable containers
Storage	Pigment 12 months, hardener 6 months in original, unopened containers stored at a temperature of 20° C.
Waste disposal	Residues are considered as special refuse and must be treated as such, VeVa-code 08 01 11.

Components	2
Hardener	H80
Mixing ratio	40 : 1 wt.- parts
Pot life	approx. 10 hours at 20 °C
Drying (23° C)	Dust free approx. 10 minutes Dry to touch approx. 1 hour Transportable approx. 20 hours Drying times depend on film thickness, surface and air temperatures.
Forced drying	possible, e.g. 30 min. @ 80° C

Solids content	by weight : approx. 87 %	} mixture
Density (20 °C)	by volume: approx. 60 %	
Theoretical consumption	approx. 3,3 kg/l	
	approx. 340 g/m ² @ 60 µm	

	Duopol Z60	Hardener H80	V2
VOC value	11,7 %	54 %	100 %

(replaces issue 06.24)

11.24