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## PRODUCT DATA SHEET

**PRODUCT:** **EPOSSIZINC BC 82**  
**Two-component epoxy-polyamide zinc primer**

**CODE:** **COMP. A 1807022 EPOSSIZINC BC 82**  
**COMP. B 9000005 - CAT. EPOSSIDICO PR05**

**PRODUCT DESCRIPTION:** Two-component primer with a high content of zinc metal with a strong anticorrosion properties, suitable for service in highly aggressive environments. This is the most suitable anticorrosion coating for metal structures subjected to high corrosion. Covered with appropriate intermediate and finish (eg with Eporust HQ, Epopaint or Isoacril) forms a durable anticorrosion cycle. Used in thicknesses of approximately 25 microns, depending of drying time, it lends itself to be used as a shop primer. Complies with UNI EN ISO 12944 and SSPC PAINT 20.

**SURFACE PREPARATION:** For particularly harsh operating conditions we recommend a white metal blasting (grade Sa3). For less severe conditions an almost white metal (grade Sa 2½) is enough. A commercial blasting or alternatively a good quality mechanical cleaning are often acceptable. The product must be applied strictly on dry surfaces, clean, perfectly free of oil, grease, dust, moisture or other contaminants.

**APPLICATION METHODS:** Spray, brush or roll. Preferred application is airless spray. Brush or roller don't grant an uniform coverage, use these techniques only on retouch or small surfaces. For small and non-continueous surfaces, we suggest use of manual spray gun or airmix pumps.

<b>APPLICATION INSTRUCTIONS:</b>	<b>CONVENTIONAL SPRAY LOW PRESSURE PUMP</b>		<b>AIRLESS AIRMIX</b>	
	Nozzle diameter (mm)	<b>1,5÷1,8</b>	Pressure ratio	<b>35:1</b>
Product pressure (Atm)	<b>0,7÷1,5</b>	Nozzle diameter (inch)	<b>0,015÷0,019</b>	
Air pressure	<b>3,5÷4,5</b>	Product pressure (Atm)	<b>115,0÷150,0</b>	



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## TECHNICAL DATA:

	<b>Evaporation of the solvent and chemical reaction</b>
Mechanism of hardening	
Specific weight (kg / l) *	<b>2,3 (±8%)</b>
Volume solids (%) *	<b>50 (±1%)</b>
Medium dry film thickness (microns)	<b>50</b>
Correspondence wet film thickness (microns)	<b>100</b>
Yield to the average or recommended thickness (m <sup>2</sup> / kg) *	<b>4,3</b>
Yield to the average or recommended thickness (m <sup>2</sup> / lt) *	<b>10</b>
Touch dry at 25 ° C (min)	<b>50</b>
Hard dry at 25 ° C (hours)	<b>7</b>
Recoat time min. recommended 25 ° C (hours)	<b>8</b>
Recommended application temperature (° C)	<b>+7 ~ +35</b>
Maximum operating temperature (° C)	<b>110</b>
Pot life at 25 ° (hours)	<b>8</b>
Mixing ratio by weight	<b>10,0%</b>
Mixing ratio by volume	<b>25,0%</b>
Thinner	<b>6030000</b>
Maximum dilution (% volume)	<b>10</b>
Aspect of the film	<b>matt</b>
Color	<b>zinc Grey</b>
Storage in suitable conditions (months)	<b>12</b>

N.B.

\* Data referred to colour grey. The solid content values, specific weight and yield were calculated with theoretical method. Thickness and performance are only indicative, in fact vary greatly depending condition of substrate, dilution, absorption, porosity, surface irregularities and application method. Data referred to the mixture of component A + 10% by weight of Comp.B



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#### ADDITIONAL INFORMATION:

This is a two-component product. Before mixing the two components it is recommended to homogenize the component possibly with agitator and shake vigorously, possibly without opening, the packaging of component b. After mixing and addition of appropriate thinner, agitation should be continued until it became homogeneous. In order to use the correct mix ratio, necessary to obtain the best results, we recommend to catalyse only entire packs. In case you want to use only a portion of the pack, you should equip with adequate precision scale for catalysis by weight and appropriate sized containers for catalysis by volume. The pot life (time of use after catalysis) is significantly reduced by increase of temperature. Ambient temperature has influence on curing time which, under 10° C is extended considerably. Epoxy products are not suitable to use at low temperatures (typically under 5-8° C), except through the use of a specific catalyst (winter grade). The temperature of the surface to be treated must be at least 3° C higher than dew point. If this condition is not met the resulting condensation, not always visible, may easily lead to phenomena of non-adherence. The coating requires a period of 7-15 days at 25° C for complete curing. Carefully remove any accumulated roughness prior to the application of subsequent coats. It is recommended to implement all necessary measures (development of equipment for painting, using any thinner retardant-wetting thinner, position yourself upwind, proper progression of the surfaces to be painted) to prevent the accumulation of dust coating, which if not removed causes inhomogeneity of the film.

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#### IMPORTANT NOTE

All information contained in this form are the result of laboratory tests carried out under controlled conditions and well-defined and / or correspond to our most advanced and current technical and practical knowledge. this does not exempt the customer, given the variability of environmental conditions and personal systems of application, from carrying out their own investigations and to make their own eligibility checks. Mondial Color assumes no responsibility for any damage caused by improper use of the product. The values of specific weight, solids by volume and yields were calculated by theoretical methods. This sheet supersedes the previous editions.

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