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PRODUCT DATA SHEET

PRODUCT: **MONDIALZINC SP**
Inorganic zinc shop primer

CODE: **COMP. A 187 MONDIALZINC SP**
COMP. B 1880000 - VEICOLO PER MONDIALZINC SP

PRODUCT DESCRIPTION:

Shop primer with a high content of metallic zinc: this product is a two-component inorganic zinc suitable for the temporary protection of metal articles. Suitable for the protection of sand-blasted metal surfaces (profiles, sheets or semi-assembled) that will be machined or permanently assembled in successive stages, as in shipbuilding sector. Despite the low film thickness (15 microns) provides optimum protection for long periods, at least 12 months even in a marine environment with no white-rust. The film created from this product does not interfere with the operations of flame cutting and welding, minimizing the areas damaged by heat, that will be retouched in short times and with a low cost. The particular rheology of the product allows an easy application even on vertical surfaces.

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. As all inorganic zinc, the application on smooth surfaces may cause poor adhesion.

APPLICATION METHODS:

Spray. Brush or roller don't grant an uniform coverage, use these techniques only on retouch or small surfaces.

APPLICATION INSTRUCTIONS:

	CONVENTIONAL SPRAY LOW PRESSURE PUMP	AIRLESS AIRMIX	
Nozzle diameter (mm)	1,2÷1,5	Pressure ratio	30:1
Product pressure (Atm)	0,5÷-	Nozzle diameter (inch)	0,011÷0,021
Air pressure	3,5÷4,5	Product pressure (Atm)	130,0÷170,0



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TECHNICAL DATA:

	Evaporation of the solvent and chemical reaction
Mechanism of hardening	
Specific weight (kg / l) *	1,59 (±5%)
Volume solids (%) *	21,5 (±1%)
Medium dry film thickness (microns)	15
Correspondence wet film thickness (microns)	70
Yield to the average or recommended thickness (m ² / kg) *	9
Consumption at the average or recommended thickness (Kg / m ²) *	0,11
Touch dry at 25 ° C (min)	5
Hard dry at 25 ° C (hours)	4
Recoat time min. recommended 25 ° C (hours)	4
Recommended application temperature (° C)	+5 ~ +40
Maximum operating temperature (° C)	450
Mixing ratio by weight	100 A ÷ 50 B
Mixing ratio by volume	40 A ÷ 60 B
Pot life at 25 ° (hours)	4
Thinner	6000070
Aspect of the film	matt
Color	Grey, violet
Storage in suitable conditions (months)	12

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 + 50% 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 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. 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.

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. This sheet supersedes the previous editions.
