

Product Description	Zinc powder hardener, Colorless transparent liquid, contains hydrolyzation products of tetraethyl orthosilicate. Excellent resistance to deterioration on weathering, welding and cutting-through property, ablation resistance, heat-resistance and long time protection.				
Intended Uses	As a shop primer hardener, it is suited for painting the steel plate especially which is blasted, it can protect the steel structure for a short or middle time during the storage, construction and fabrication It is specially designed for the auto-spray equipment.				
Product Information	Volume Solids	35%			
	Dry Film Thickness	15-75 microns, according to the protected period.			
	Theoretical Coverage	3.77-14.36 m ² /Kg			
	Practical Coverage	Allow to appropriate loss factors			
	VOC	559 g/L			
Application Details	Mix ratio	ZIES213 : ZIES218 = 4 : 1 ZIES214 : ZIES218 = 2 : 1			
	Airless Spray	Recommended: Tip range: 0.48-0.58mm; fluid pressure: ≥8MPa			
	Brush or Roller	Suitable, only for repairing.			
	Conventional Spray	Adoptable, but stirring are necessary			
	Thinner	OUP 107			
	Cleaner	OUP 107			
	Drying Time	Substrate Temperature	Touch Dry (minutes)	Hard Dry (hours)	Over coating Interval
				Minimum	Maximum
	5°C	5	24	24 hours	No limited
	23°C	3	16	16 hours	No limited
	35°C	2	12	12 hours	No limited
Storage and Packing	Storage	Store in cool and dry conditions			
	Storage Life	6 months			
	Pack Size	9Kg in 10 litre container Or 7.5 Kg in 10 litre container			
	Flash Point	Above 13°C (mixture)			
	Specific Gravity	Approx 0.96 Kg/L			
Specification and Surface Preparation	The steel surface: Oil and grease removed with proper cleaner. Blast clean to ISO 8501:2007 Sa2.5 or rust-removed manually or with power tool to St3. The coarseness should be between 40 microns and 75 microns.				
Limitations	The temperature of substrate should be above the dew point in preventing from the moisture freezing. The minimum over-coating interval depends on the temperature and relative humidity, and the maximum depends on the climate and environment. The surface to be coated with this paint must be clean, dry and free from zinc salt. No painting over alkyd or oil-based paint etc.				

Safety Precautions for Solvent Paint

This product should be used in painting area by professional operators. When painting, please refer to Product Data Sheet and MSDS. Consult our company if consumers could not completely understand the precautions for safety and health when applying this product.

This product is a kind of solvent-based paint. In order to avoid danger or accident, minimal safety precautions, as follow, should be done:

The paint contains volatile solvent and is flammable. So must keep away from sparks and open flames. No smoking at application site. Effective precautions (such as using explosion-proof electrical equipments, no static electricity accumulation or metal collision etc) also should be done so as to avoid producing sparks. Flash point of paint, mentioned above on Product Data Sheet, is the lowest temperature at which mixture of the volatile materials of paint can ignite or explode with air, so we suggest painting should be stopped above the temperature of flash point.

Enough ventilation is necessary at application site. In order to remove any danger of explosion, must keep the ratio of gas to air is less than 10%, the minimum explosive limit in general. Therefore, 200m³ of ventilation quantity per 1Kg solvent (according to the solvent) is necessary.

Protect skin and eyes, and avoid touching with paints (Recommend to wear working clothes, gloves, eye protection, face masks, barrier creams and so on). If paint gets in touch with skin, wash fully with a large amount of fresh water and soap or appropriate commercial cleaner. In case of eyes being contaminated, rinse with fresh water for 10min at least and give medical treatment immediately.

Recommend face guard with ventilation pipe for the sake of no absorption of paint fog and harmful solvent gas, especially in badly ventilated conditions.

Handle empty containers with care and do not bring about environmental contamination.

NOTICE: If consumers haven't taken effective safety precautions (Refer to the specifications), our company will NOT be responsible for any accident.

The purpose of the data sheet is to advise you. We can accept no liability for the results obtained during use, due to the variety of applications and the different substrates involved. The publication of the data sheet invalidates all previous data sheets for the product.