

Technical data sheet

PROTECT 367 Zn

Anti-corrosion epoxy primer

Highly pigmented with zinc powder, hardened with amine adduct.
The zinc powder content in the dry coat is 90%.

RELATED PRODUCTS

H5960 STANDARD

Epoxy primer hardener standard

THIN 60







Epoxy thinner

USE:

- Anti-corrosive protection for chemical and petrochemical industries
 - Means of transport
- Machines and equipment
- Outer surfaces of tanks
 - Steel structures

PROPERTIES

- Highly resistant to corrosive action of marine and industrial air
 - Fast drying
- Possibility of the application up to 250 µm wet in a single layer
 - Suitable for application in thick coats
 - Very good mechanical resistance
 - Very good chemical resistance
- Highly resistant to transient temperatures of up to 160°C

SUBSTRATES					
Steel		Clean steel surfaces to Sa 2 ^{1/2} (wet blasting) or St3 (manual cleaning or with a power tool) in accordance with the PN-ISO 12944-4 standard; the surface after the treatment must be free of oil, grease, dust, loose old paint coating, mill scale, rust and foreign contaminants; the surface should exhibit the gloss of the metal substrate.			
MIXING RATIO					
	PROTECT 367 Zn H5960	Volume ratio		Weight ratio	
		8 1		100 4	
VISCOSITY					
	DIN 4/20°C		non-measurable		
APPLICATION					
			Nozzle	Pressure	Distance
	CAUTION: Instructions of the equipment manufacturer must be followed	Airless spraying in air jacket	0.43 ÷ 0.53 mm (0.017" ÷ 0.021")	150 - 180 bar Air jacket 2 bar,	10 - 15 cm
When necessary, add up to 3% of the THIN 60 epoxy thinner, but in such cases the spraying parameters must be corrected (reduce the pressure and nozzle size). The product must be continuously stirred during painting due to sedimentation of the metallic pigment.					
	Number of coats		1 – 2		
	CAUTION: The minimum epoxy primer thickness is 80 µm on steel substrates .				
	Dry coating thickness:				
	1 coat		60 - 70 µm		
	2 coats		120 - 140 µm		
Yield of the ready to apply mixture for a dry coating thickness in the provided range		approx. 5.9 m ² /l 0.17 l/ m ² at 80 µm PROTECT 367 Zn + H5960 (8+1)			
The actual yield depends on the surface shape, roughness and application parameters.					
	Mixture life at 20°C		8 hours		
	Flash off between coats		15 mins		

COATABILITY				
Topcoat application time for a 80 µm thick primer.	10°C	20°C	60°C	
	6 hours	2 hours	30 min.	
Coatable with NOVOL epoxy, acrylic and polyurethane coats.. Do not apply acid-cured paint coats. The maximum time between successive coats is unlimited; however, white tarnish (zinc corrosion products) and contaminants must be removed after prolonged exposure.				
TECHNICAL DATA				
Product	Solids content by weight	Solids content by volume	Density	Fineness of grind
PROTECT 367 Zn	≈ 82 %	≈ 65 %	≈ 2.70 g/cm ³	< 25µm
H5960	≈ 68%	≈ 65%	≈ 0.92 g/cm ³	—
PROTECT 367 Zn + H5960 (8+1)	≈ 81%	≈ 65%	≈ 2.50 g/cm ³	< 25µm
CONTENT OF VOLATILE COMPONENTS				
VOC II/B/c limit*		540 g/l		
Actual VOC		470 g/l (for 8+1)		
* For ready to use mixture acc. to EU Directive 2004/42/CE				
APPLICATION CONDITIONS				
The coated surface should be dry. The temperature of the coat, coated surface and environment should be between +10°C and +35°C at a maximum relative humidity of 80%. The coated surface temperature should exceed the dew point by a minimum of 3°C.				
TEMPERATURE RESISTANCE				
The operating temperature of the applied primer is between -60°C and +80°C. Transient temperatures up to +160°C maximum are permitted.				
COLOUR MATCHING				
Not recommended.				
COLOUR				
Metallic grey				
EQUIPMENT CLEANING				
THIN 60 epoxy thinner				
STORAGE CONDITIONS				
Store in a dry room, away from sources of flame and heat. Avoid direct exposure to sunlight. Recommended storage temperature: +5°C to +35°C.				

SHELF LIFE	
PROTECT 367 Zn	6 months/20°C
H5960 STANDARD	24 months/20°C
THIN 60	24 months/20°C
SAFETY	
See Safety Data Sheet.	
OTHER INFORMATION	
Registration number: 000024104. The effectiveness of our systems results from laboratory research and many years of experience. The data presented herein is based on the present state of knowledge about our products and their application. We ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to do a trial/test application of the product due to the potential variation of product performance between substrate materials. We may not be held liable for defects if final results were affected by factors beyond our control.	