## **DESCRIPTION**

Two-component, silicate zinc epoxy primer

#### PRINCIPAL CHARACTERISTICS

- · Good anticorrosive properties
- Fast-curing
- · Fast-handling
- Cures at temperatures down to -5°C (23°F)
- · Reduced risk of mud cracking
- · Topcoats must be unsaponifiable

## **COLOR AND GLOSS LEVEL**

- Bluegreen, gray
- Flat

## BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	2.1 kg/l (17.5 lb/US gal)
Volume solids	63 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 204.0 g/kg max. 419.0 g/l (approx. 3.5 lb/US gal)
Recommended dry film thickness	50 - 80 μm (2.0 - 3.1 mils) depending on system
Theoretical spreading rate	12.6 m²/l for 50 μm (505 ft²/US gal for 2.0 mils)
Dry to touch	10 minutes
Overcoating Interval	Minimum: 25 minutes Maximum: 12 months
Shelf life	Base: at least 24 months when stored cool and dry Hardener: at least 24 months when stored cool and dry

#### Notes:

- See ADDITIONAL DATA Spreading rate and film thickness
- See ADDITIONAL DATA Overcoating intervals
- See ADDITIONAL DATA Curing time



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#### RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

## Substrate conditions

Steel; blast cleaned to ISO-Sa2½, blasting profile 40 – 70 μm (1.6 – 2.8 mils)

#### Substrate temperature and application conditions

- Substrate temperature during application at -5°C (23°F) is acceptable; provided the substrate is free from ice and dry
- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point

#### **INSTRUCTIONS FOR USE**

#### Mixing ratio by volume: base to hardener 80:20 (4:1)

- The temperature of the mixed base and hardener should preferably be above 15°C (59°F), otherwise extra thinner may be required to obtain application viscosity
- · Adding too much thinner results in reduced sag resistance and slower cure
- Thinner should be added after mixing the components

#### Pot life

4 hours at 20°C (68°F)

#### Air spray

## **Recommended thinner**

THINNER 21-06

### Volume of thinner

15 - 20%, depending on required thickness and application conditions

#### **Nozzle orifice**

1.6 mm (approx. 0.063 in)

#### Nozzle pressure

0.3 - 0.6 MPa (approx. 3 - 6 bar; 44 - 87 p.s.i.)



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#### Airless spray

#### **Recommended thinner**

THINNER 21-06

## Volume of thinner

5 - 15%, depending on required thickness and application conditions

#### **Nozzle orifice**

Approx. 0.38 - 0.53 mm (0.015 - 0.021 in)

#### Nozzle pressure

15.0 MPa (approx. 150 bar; 2176 p.s.i.)

#### Brush/roller

## **Recommended thinner**

THINNER 21-06

# Volume of thinner

0 - 5%

## **Cleaning solvent**

THINNER 90-53

#### **ADDITIONAL DATA**

Spreading rate and film thickness				
DFT	Theoretical spreading rate			
50 μm (2.0 mils)	12.6 m²/l (505 ft²/US gal)			
80 μm (3.1 mils)	7.9 m²/l (326 ft²/US gal)			

Overcoating interval for DFT up to 50 μm (2.0 mils)						
Overcoating with	Interval	-5°C (23°F)	0°C (32°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
various two-component	Minimum	1 hour	45 minutes	30 minutes	25 minutes	20 minutes
epoxy coatings	Maximum	12 months	12 months	12 months	12 months	12 months



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Overcoating interval for DFT up to 80 μm (3.1 mils)						
Overcoating with	Interval	-5°C (23°F)	0°C (32°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
various two-pack epoxy	Minimum	1.5 hours	1 hour	50 minutes	40 minutes	35 minutes
coatings	Maximum	12 months	12 months	12 months	12 months	12 months

#### Notes:

- Surface should be dry and free from any contamination
- An interval of several months can be allowed under clean interior exposure conditions
- Before overcoating any visible surface contamination must be removed by sandwashing, sweep blasting or mechanical cleaning

Curing time for DFT up to 80 µm (3.1 mils)				
Substrate temperature	Dry to touch	Dry to handle		
-5°C (23°F)	1 hour	1.5 hours		
0°C (32°F)	40 minutes	1 hour		
10°C (50°F)	25 minutes	50 minutes		
20°C (68°F)	10 minutes	40 minutes		
30°C (86°F)	less than 10 minutes	35 minutes		

Note: Adequate ventilation must be maintained during application and curing

### **SAFETY PRECAUTIONS**

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

### **WORLDWIDE AVAILABILITY**

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

#### **REFERENCES**

CONVERSION TABLES	INFORMATION SHEET	1410
EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
SAFETY INDICATIONS	INFORMATION SHEET	1430
SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD –	INFORMATION SHEET	1431
TOXIC HAZARD		
SAFE WORKING IN CONFINED SPACES	INFORMATION SHEET	1433
DIRECTIVES FOR VENTILATION PRACTICE	INFORMATION SHEET	1434
CLEANING OF STEEL AND REMOVAL OF RUST	INFORMATION SHEET	1490



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