DESCRIPTION

Two-component, solvent-free, amine-cured phenolic epoxy compound

PRINCIPAL CHARACTERISTICS

- · Sprayable caulking to overlap the welding seams
- Suitable caulking compound for use under SIGMAGUARD CSF 650, NOVAGUARD 810 and NOVAGUARD 840
- Excellent chemical resistance against crude oil, unleaded gasolines and a wide range of petrochemicals and solvents
- Can be applied by heavy-duty, single-feed, airless spray equipment (60:1)
- · Good visibility due to light color
- · Reduced explosion risk and fire hazard

COLOR AND GLOSS LEVEL

- Cream
- Gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product		
Number of components	Two	
Mass density	1.4 kg/l (11.7 lb/US gal)	
Volume solids	100%	
VOC (Supplied)	Directive 1999/13/EC, SED: max. 105.0 g/kg max. 144.0 g/l (approx. 1.2 lb/US gal)	
Recommended dry film thickness	3500 - 5000 μm (140.0 - 200.0 mils) depending on system	
Dry to touch	6 hours	
Overcoating Interval	Minimum: 16 hours Maximum: 3 months	
Full cure after	5 days	
Shelf life	Base: at least 12 months when stored cool and dry Hardener: at least 12 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 a minimum of ISO-Sa2½, blasting profile 50 100 μm (2.0 4.0 mils)
- Steel with suitable holding primer must be dry and free from any contamination
- If a holding primer is required, SIGMAGUARD 260 or SIGMACOVER 280 can be used

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 75:25 (3:1)

- When mixing, the temperature of the base and hardener should be at least 20°C (68°F)
- · At lower temperature, the viscosity will be too high for spray application
- · No thinner should be added

Induction time

None

Pot life

1 hour at 20°C (68°F)

Note: See ADDITIONAL DATA - Pot life

Airless spray

Recommended thinner

No thinner should be added

Nozzle angle

 $30^{\circ} - 40^{\circ}$

Nozzle orifice

Approx. 0.66 mm (0.026 in)

Nozzle pressure

At 20°C (68°F) paint temperature min. 30.0 MPa (approx. 300 bar; 4351 p.s.i.). At 30°C (86°F) min. 25.0 MPa (approx. 250 bar; 3626 p.s.i.)

Notes:

- Use heavy-duty, single-feed, airless spray equipment, preferably 60:1 pump ratio and suitable high-pressure hoses
- In-line heating or insulated hoses may be necessary to avoid cooling down of paint in hoses at low air temperature
- Length of hoses should be as short as possible



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Cleaning solvent

THINNER 90-83

Note: All application equipment must be cleaned immediately after use. Paint inside the spraying equipment must be removed before the pot life has been expired.

ADDITIONAL DATA

Spreading rate and film thickness		
DFT	Theoretical spreading rate	
3000 μm (120.0 mils)	0.3 m²/l (13 ft²/US gal)	
5000 μm (200.0 mils)	0.2 m²/l (8 ft²/US gal)	

Note: Structure; in different layers apply wet in wet in order to reach the required film thickness

Overcoating interval for DFT up to 5000 μm (200.0 mils)				
Overcoating with	Interval	10°C (50°F)	20°C (68°F)	30°C (86°F)
Solvent free tanklinings	Minimum	30 hours	16 hours	12 hours
	Maximum	3 months	2 months	1 month

Note: Surface should be dry and free from any contamination

Curing time for DFT up to 5000 µm (200.0 mils)				
Substrate temperature	Dry to handle	Full cure		
10°C (50°F)	30 hours	7 days		
20°C (68°F)	16 hours	5 days		
30°C (86°F)	10 hours	3 days		

Note: Adequate ventilation must be maintained during application and curing (please refer to INFORMATION SHEETS 1433 and 1434)

Pot life (at application viscosity)		
Mixed product temperature	Pot life	
20°C (68°F)	1 hour	
30°C (86°F)	45 minutes	

Note: Due to exothermic reaction, temperature during and after mixing may increase



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SAFETY PRECAUTIONS

For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

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 EXPLANATION TO PRODUCT DATA SHEETS SAFETY INDICATIONS 	INFORMATION SHEET INFORMATION SHEET INFORMATION SHEET	1410 1411 1430
SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431
SAFE WORKING IN CONFINED SPACES	INFORMATION SHEET	1433
 DIRECTIVES FOR VENTILATION PRACTICE CLEANING OF STEEL AND REMOVAL OF RUST 	INFORMATION SHEET INFORMATION SHEET	1434 1490
RELATIVE HUMIDITY – SUBSTRATE TEMPERATURE – AIR TEMPERATURE	INFORMATION SHEET	1650

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