## **DESCRIPTION**

Two-component, solvent-free, amine-cured novolac phenolic epoxy coating

#### PRINCIPAL CHARACTERISTICS

- · One-coat tank coating system
- Excellent resistance to crude oil up to 120°C (250°F)
- Suitable for storage of unleaded gasolines blended up to 100% ethanol (E5 up to E100)
- Suitable for storage of biodiesel (EN14214)
- · Good chemical resistance against a wide range of chemicals and solvents
- · Good visibility due to light color
- · Semi gloss and smooth appearance
- · Easy to clean
- Can be applied by heavy-duty, single-feed, airless spray equipment (60:1)
- · Reduced explosion risk and fire hazard
- · Meets the requirements of EI 1541 2.2 (coating systems for aviation fuel storage tanks and pipes)

#### **COLOR AND GLOSS LEVEL**

- · Green, cream, clear
- Semi-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. 94.0 g/kg max. 131.0 g/l (approx. 1.1 lb/US gal) EPA Method 24: 92.0 g/ltr (0.8 lb/USgal)
Recommended dry film thickness	300 - 600 μm (12.0 - 24.0 mils) depending on system
Theoretical spreading rate	3.3 m²/l for 300 µm (134 ft²/US gal for 12.0 mils)
Dry to touch	8 hours
Overcoating Interval	Minimum: 24 hours Maximum: 2 months
Full cure after	6 days

PPG Protective & Marine Coatings
Bringing innovation to the surface:

Ref. 7755 Page 1/5

Data for mixed product	
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

# RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

# **Substrate conditions**

- Steel; blast cleaned to a minimum of SSPC-SP10 or ISO-SA2½, blasting profile 50 125 μm (5.0 mils) (2.0 5.0 mils)
- Steel with suitable primer (NOVAGUARD 260 or PHENGUARD 930) must be dry and free from any contamination

## Substrate temperature

- Substrate temperature during application and curing should be above 10°C (50°F)
- 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 at least 20°C (68°F)
- No thinner should be added
- For recommended application instructions, see working procedure
- At lower temperature, the viscosity will be too high for spray application

# **Induction time**

None

# Pot life

1 hour at 20°C (68°F)

Note: See ADDITIONAL DATA - Pot life



Ref. 7755 Page 2/5

## Airless spray

#### **Recommended thinner**

No thinner should be added

#### **Nozzle orifice**

Approx. 0.53 mm (0.021 in)

## Nozzle pressure

At 20°C (68°F) paint temperature min. 28.0 MPa (approx. 280 bar; 4061 p.s.i.). At 30°C (86°F) min. 22.0 MPa (approx. 220 bar; 3191 p.s.i.)

Note: Use heavy-duty, single-feed, airless spray equipment, preferably 60:1 pump ratio and suitable high-pressure hoses

#### **Brush/roller**

· Brush: for stripe coating and spot repair only

#### **Recommended thinner**

No thinner should be added

## **Cleaning solvent**

THINNER 90-53 or THINNER 90-83

# Notes:

- 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	
300 μm (12.0 mils)	3.3 m²/l (134 ft²/US gal)	
600 μm (24.0 mils)	1.7 m²/l (67 ft²/US gal)	

Note: Maximum DFT when brushing: 150 µm (6.0 mils)

## Measuring wet film thickness

- A difference is often obtained between the measured apparent WFT and the real applied WFT. This is due to the thixotropy and the surface tension of the paint, which retards the release of air, trapped in the paint film for some time
- Recommendation is to apply a WFT, which is equal to the specified DFT plus 60 μm (2.4 mils)

PPG Protective & Marine Coatings
Bringing innovation to the surface.™

Ref. 7755 Page 3/5

## Measuring dry film thickness

- Because of low initial hardness the DFT cannot be measured within some days, due to the penetration of the measuring device into the soft paint film
- The DFT should be measured using a calibration foil of known thickness placed in between the coating and the measuring device

Overcoating interval for DFT up to 300 μm (12.0 mils)				
Overcoating with	Interval	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself	Minimum	36 hours	24 hours	16 hours
	Maximum	3 months	2 months	1 month

Note: Surface should be dry and free from any contamination

Curing time for DFT up to 300 μm (12.0 mils)				
Substrate temperature	Dry to handle	Minimum cure time for purely aliphatic petroleum product (see note)	Minimum cure time for all other chemicals	
10°C (50°F)	40 hours	7 days	10 days	
20°C (68°F)	18 hours	3 days	6 days	
30°C (86°F)	12 hours	48 hours	4 days	
40°C (104°F)	8 hours	24 hours	3 days	

#### Notes:

- Gasoline or gasoline/alcohol blends are not included in purely aliphatic petroleum products, please contact your PPG representative for further details
- 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	
10°C (50°F)	2 hours	
20°C (68°F)	1 hour	
30°C (86°F)	45 minutes	

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

PPG Protective & Marine Coatings
Bringing innovation to the surface:

Ref. 7755 Page 4/5

## **SAFETY PRECAUTIONS**

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- Although this is a solvent-free paint, care should be taken to avoid inhalation of spray mist, as well as contact between the
  wet paint and exposed skin or eyes
- · Ventilation should be provided in confined spaces to maintain good visibility
- If workers are exposed to concentrations above the exposure limit, they must use appropriate personal protective equipment (PPE).

# **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
SPECIFICATION FOR MINERAL ABRASIVES	INFORMATION SHEET	1491
RELATIVE HUMIDITY – SUBSTRATE TEMPERATURE – AIR TEMPERATURE	INFORMATION SHEET	1650

#### **WARRANTY**

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

#### LIMITATIONS OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet shall previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at www.ppgpmc.com. The English text of this sheet shall prevail over any translation thereof.

The PPG Logo, Bringing innovation to the surface., and all other trademarks herein are property of the PPG group of companies



Ref. 7755 Page 5/5