## **DESCRIPTION**

Two-component, high-gloss, VOC-compliant epoxy acrylic finish

### PRINCIPAL CHARACTERISTICS

- Non-isocyanate
- · Excellent gloss and color retention
- · Non-chalking, non-yellowing
- · Long pot life but quick-drying
- · Can be recoated even after long exposure periods

## **COLOR AND GLOSS LEVEL**

- · Wide color range
- Gloss

## BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.3 kg/l (10.8 lb/US gal)
Volume solids	54 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 324.0 g/kg UK PG 6/23(92) Appendix 3: max. 411.0 g/l (approx. 3.4 lb/US gal)
Recommended dry film thickness	50 - 60 μm (2.0 - 2.4 mils) depending on system
Theoretical spreading rate	10.8 m²/l for 50 µm (433 ft²/US gal for 2.0 mils)
Dry to touch	2 hours
Full cure after	7 days
Shelf life	Base: at least 36 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**

- Compatible previous coat must be dry and free from any contamination
- Surface of previous coat should be sufficiently roughened if necessary

Ref. 7740 Page 1/5



### Substrate temperature

- Substrate temperature during application and curing should be above 5°C (41°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 89.5:10.5

- Adding too much thinner results in reduced sag resistance
- 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
- · If required, thinner should be added after mixing the components

## **Induction time**

None

## Pot life

6 hours at 20°C (68°F)

Note: See ADDITIONAL DATA - Pot life

## **Air spray**

## **Recommended thinner**

THINNER 91-92

## Volume of thinner

5 - 10%, depending on required thickness and application conditions

### **Nozzle orifice**

1.0 - 1.5 mm (approx. 0.040 - 0.060 in)

## Nozzle pressure

0.3 - 0.4 MPa (approx. 3 - 4 bar; 44 - 58 p.s.i.)



Ref. 7740 Page 2/5

## Airless spray

## **Recommended thinner**

THINNER 91-92

## Volume of thinner

0 - 5%, depending on required thickness and application conditions

## **Nozzle orifice**

Approx. 0.38 - 0.46 mm (0.015 - 0.018 in)

## **Nozzle pressure**

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

Note: In order to achieve the optimum finish and cosmetic appearance, the product may be thinned by 10% and applied using an air-assisted airless spray gun set up with a smaller tip size of 0.28 – 0.38 mm (0.011 – 0.015 in)

## **Brush/roller**

## **Recommended thinner**

**THINNER 91-92** 

## Volume of thinner

0 - 5%

## **Cleaning solvent**

THINNER 91-92

## **ADDITIONAL DATA**

Spreading rate and film thickness		
DFT	Theoretical spreading rate	
50 μm (2.0 mils)	10.8 m²/l (433 ft²/US gal)	
60 μm (2.4 mils)	9.0 m²/l (361 ft²/US gal)	

Overcoating interval for DFT up to 50 μm (2.0 mils)					
Overcoating with	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself	Minimum	24 hours	16 hours	8 hours	6 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited

Note: Surface should be dry and free from any contamination

ppg

Ref. 7740 Page 3/5

Curing time for DFT up to 50 µm (2.0 mils)			
Substrate temperature	Dry to handle	Full cure	
5°C (41°F)	22 hours	14 days	
10°C (50°F)	16 hours	12 days	
20°C (68°F)	10 hours	7 days	
30°C (86°F)	6 hours	4 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		
10°C (50°F)	10 hours		
20°C (68°F)	6 hours		
30°C (86°F)	3 hours		

## **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
- · Avoid at all times inhalation of aerosol spray mist

## **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		
RELATIVE HUMIDITY – SUBSTRATE TEMPERATURE – AIR TEMPERATURE	INFORMATION SHEET	1650

Ref. 7740 Page 4/5



### **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 supersedes all 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, and all other PPG marks are property of the PPG group of companies. All other third-party marks are property of their respective owners.



Ref. 7740 Page 5/5