

# SIGMADUR™ 2800

## DESCRIPTION

Two-component, air drying, high solids fluorocarbon finish

## PRINCIPAL CHARACTERISTICS

- Excellent resistance to atmospheric exposure conditions
- Excellent color and gloss retention
- Resistant to splash of mineral and vegetable oils, paraffins, aliphatic petroleum products and mild chemicals
- Unlimited recoatable
- Good application properties
- Low surface energy, good decontamination and easy-clean properties
- Cures at temperatures down to -10°C (14°F)
- 25% fluorine content

## COLOR AND GLOSS LEVEL

- White and various other colors (see also PPG shade card)
- Gloss

## BASIC DATA AT 20°C (68°F)

Data for mixed product	
<b>Number of components</b>	Two
<b>Mass density</b>	1.3 kg/l (10.8 lb/US gal)
<b>Volume solids</b>	56 ± 2%
<b>VOC (Supplied)</b>	Directive 2010/75/EU, SED: max. 321.0 g/kg max. 418.0 g/l (approx. 3.5 lb/US gal) China GB 30981-2020 (tested) 410.0 g/l (approx. 3.4 lb/gal)
<b>Recommended dry film thickness</b>	25 - 40 µm (1.0 - 1.6 mils) depending on system
<b>Theoretical spreading rate</b>	16.0 m <sup>2</sup> /l for 35 µm (642 ft <sup>2</sup> /US gal for 1.4 mils)
<b>Dry to touch</b>	3 hours
<b>Overcoating Interval</b>	Minimum: 20 hours Maximum: Unlimited
<b>Shelf life</b>	Base: at least 36 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

- Previous coat must be dry and free from any contamination
  - Old existing sound coating; sufficiently roughened, dry and cleaned
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### Substrate temperature and application conditions

- Substrate temperature during application and curing down to -5°C (23°F) is acceptable
  - Substrate temperature during application and curing should be at least 3°C (5°F) above dew point
  - Relative humidity during application and curing should not exceed 85%
  - Premature exposure to early condensation and rain may cause color and gloss change
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## INSTRUCTIONS FOR USE

### Mixing ratio by volume: base to hardener 91:9

- Do not thin more than is required by appropriate application property
  - Adding too much thinner results in reduced sag resistance and slower cure
  - Thinner should be added after mixing the components
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### Induction time

None

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### Pot life

5 hours at 20°C (68°F)

Note: See ADDITIONAL DATA – Pot life

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### Air spray

#### **Recommended thinner**

THINNER 91-88

#### **Volume of thinner**

10 - 15%, 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.)

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## Airless spray

### Recommended thinner

THINNER 91-88

### Volume of thinner

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

### Nozzle orifice

Approx. 0.28 - 0.38 mm (0.011 - 0.015 in)

### Nozzle pressure

20.0 MPa (approx. 200 bar; 2901 p.s.i.)

## Brush/roller

### Recommended thinner

THINNER 91-88

### Volume of thinner

0 - 5%

## ADDITIONAL DATA

Spreading rate and film thickness	
DFT	Theoretical spreading rate
25 µm (1.0 mils)	22.4 m <sup>2</sup> /l (898 ft <sup>2</sup> /US gal)
30 µm (1.2 mils)	18.7 m <sup>2</sup> /l (749 ft <sup>2</sup> /US gal)
35 µm (1.4 mils)	16.0 m <sup>2</sup> /l (642 ft <sup>2</sup> /US gal)
40 µm (1.6 mils)	14.0 m <sup>2</sup> /l (561 ft <sup>2</sup> /US gal)

Overcoating interval for DFT up to 35 µm (1.4 mils)					
Overcoating with...	Interval	5°C (41°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
itself	Minimum	36 hours	20 hours	10 hours	3 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited

Note: Surface should be dry and free from any contamination

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Curing time for DFT up to 35 µm (1.4 mils)		
Substrate temperature	Dry to touch	Dry to handle
5°C (41°F)	24 hours	36 hours
20°C (68°F)	3 hours	20 hours
30°C (86°F)	1 hour	10 hours
40°C (104°F)	30 minutes	3 hours

Note: Adequate ventilation must be maintained during application and curing

Pot life (at application viscosity)	
Mixed product temperature	Pot life
5°C (41°F)	8 hours
20°C (68°F)	5 hours
30°C (86°F)	2 hours
40°C (104°F)	1 hour

## SAFETY PRECAUTIONS

- See Safety Data Sheet and product label for complete safety and precaution requirements
- 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
- Contains a toxic polyisocyanate curing agent
- 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

- EXPLANATION TO PRODUCT DATA SHEETS

INFORMATION SHEET

1411

## 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.

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