

# New Guard Coatings Group

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# SIGMARITE 37-B-1

## DESCRIPTION

Temperature indication paint, blue

## PRINCIPAL CHARACTERISTICS

- Indicates potential dangerous hot spots
- Good weathering resistance
- Maintains its deep blue color up to 175°C (347°F)
- Changes to light blue/green in 36 to 60 hours at 200-230°C (392-446°F)
- Changes to white in 24 hours at 260°C (500°F)
- Color change is irreversible

## COLOR AND GLOSS LEVEL

- Blue
- Flat

## BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Mass density	1.2 kg/l (10.0 lb/US gal)
Volume solids	44 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 384.0 g/kg UK PG 6/23(92) Appendix 3: max. 449.0 g/l (approx. 3.7 lb/US gal)
Recommended dry film thickness	25 - 40 µm (1.0 - 1.6 mils)
Theoretical spreading rate	17.6 m <sup>2</sup> /l for 25 µm (706 ft <sup>2</sup> /US gal for 1.0 mils)
Overcoating Interval	Minimum: 16 hours Maximum: Unlimited
Shelf life	At least 12 months when stored cool and dry

Notes:

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

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### Substrate conditions

- Steel; blast cleaned to a minimum of ISO-Sa2½, blasting profile 40 – 70 µm (1.6 – 2.8 mils)
- Suitable primer (DIMETCOTE 11) must be dry and free from any contamination



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## **Substrate temperature and application conditions**

- Surface temperature during application should be between 5°C (41°F) and 60°C (140°F)
  - Surface temperature during application should be at least 3°C (5°F) above dew point
  - Ambient temperature during application and curing should be between 5°C (41°F) and 50°C (122°F)
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## **INSTRUCTIONS FOR USE**

- Stir well before use
  - The temperature of the paint 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
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### **Air spray**

#### **Recommended thinner**

THINNER 21-06

#### **Volume of thinner**

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

#### **Nozzle orifice**

1.8 - 2.0 mm (approx. 0.070 - 0.079 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 21-06

#### **Volume of thinner**

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

#### **Nozzle orifice**

Approx. 0.33 - 0.48 mm (0.013 - 0.019 in)

#### **Nozzle pressure**

15.0 - 18.0 MPa (approx. 150 - 180 bar; 2176 - 2611 p.s.i.)

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# SIGMARITE 37-B-1

## Brush/roller

### Recommended thinner

THINNER 21-06

### Volume of thinner

0 - 2%

## Cleaning solvent

THINNER 21-06

## ADDITIONAL DATA

Spreading rate and film thickness	
DFT	Theoretical spreading rate
25 µm (1.0 mils)	17.6 m <sup>2</sup> /l (706 ft <sup>2</sup> /US gal)
40 µm (1.6 mils)	11.0 m <sup>2</sup> /l (441 ft <sup>2</sup> /US gal)

Overcoating interval for DFT up to 25 µm (1.0 mils)				
Overcoating with...	Interval	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself	Minimum	48 hours	16 hours	8 hours
	Maximum	Unlimited	Unlimited	Unlimited
	Maximum dry through	1 hour	30 minutes	20 minutes

### Notes:

- Adequate ventilation must be maintained during application and curing
- Drying and curing times are dependent on air and steel temperature, applied film thickness, ventilation and other environmental conditions.

## SAFETY PRECAUTIONS

- 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
- Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with Product Data/Application Instruction and Material Safety Data Sheet must be observed during all storage, handling, use and drying periods

## 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.



# SIGMARITE 37-B-1

## REFERENCES

• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	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	INFORMATION SHEET	1434

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