

# SIGMA FLUORESCENT

2 pages

November 2009  
Revision of January 1990

<b>DESCRIPTION</b>	light reflecting paint based on fluorescent pigments and synthetic resins
<b>PRINCIPAL CHARACTERISTICS</b>	<ul style="list-style-type: none"> <li>- for visual purposes and advertising purposes</li> <li>- high visibility during daylight</li> <li>- max. colour durability, rather limited in comparison with classical pigments</li> </ul>
<b>COLOURS AND GLOSS</b>	red, orange-red, orange, green, blue, pink - flat
<b>BASIC DATA AT 20°C</b>	(1 g/cm <sup>3</sup> = 8.25 lb/US gal; 1 m <sup>2</sup> /l = 40.7 ft <sup>2</sup> /US gal)
Mass density	1.01 g/cm <sup>3</sup>
Volume solids	51 ± 2%
Recommended dry film thickness	35 µm
Theoretical spreading rate	14.5 m <sup>2</sup> /l for 35 µm
Touch dry after	45 min.
Overcoating interval	min. 24 hours
Shelf life (cool and dry place)	at least 12 months
<b>RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES</b>	<ul style="list-style-type: none"> <li>- applicable on a degreased and sanded paint, by preference on a white undercoat like Sigmarine 40</li> </ul>
<b>INSTRUCTIONS FOR USE</b>	<ul style="list-style-type: none"> <li>- stir well before use</li> <li>- the temperature of the paint should preferably be above 15°C, otherwise extra thinner may be required to obtain application viscosity</li> <li>- too much solvent results in reduced sag resistance</li> <li>- adequate ventilation must be maintained during application and curing (please refer to sheets 1433 and 1434)</li> </ul>
<b>AIR SPRAY</b>	
Recommended thinner	Thinner 20-05
Volume of thinner	10 - 20%, depending on application conditions
Nozzle orifice	approx. 1.7 - 2.0 mm
Nozzle pressure	0.2 - 0.3 MPa (= approx. 2 - 3 bar; 28 - 43 p.s.i.)
<b>BRUSH/ROLLER</b>	
Recommended thinner	no thinner should be added
<b>CLEANING SOLVENT</b>	Thinner 20-05
<b>SAFETY PRECAUTIONS</b>	<p>for paint and recommended thinners see safety sheets 1430, 1431 and relevant material safety data sheets</p> <p>this is a solvent borne paint and care should be taken to avoid inhalation of spray mist or vapour as well as contact between the wet paint and exposed skin or eyes</p>

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**Worldwide availability**

Whilst it is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis, 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	see information sheet 1411
Safety indications	see information sheet 1430
Safety in confined spaces and health safety	
Explosion hazard - toxic hazard	see information sheet 1431
Safe working in confined spaces	see information sheet 1433
Directives for ventilation practice	see information sheet 1434

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**LIMITATION OF LIABILITY**

The information in this data sheet is based upon laboratory tests we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the Sigma Coatings products made by PPG Protective & Marine Coatings, whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge are reliable. The products and information are designed for users having the requisite knowledge and industrial skills and it is the end-user's responsibility to determine the suitability of the product for its intended use.

PPG Protective & Marine Coatings has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. PPG Protective & Marine Coatings does therefore not accept any liability arising from loss, injury or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The data contained herein are liable to modification as a result of practical experience and continuous product development.

This data sheet replaces and annuls all previous issues and it is therefore the user's responsibility to ensure that this sheet is current prior to using the product.

The English text of this document shall prevail over any translation thereof.

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