

TECHNICAL DATA SHEET

PERMAGLOW 145

FLUORESCENT ACRYLIC FINISH

DESCRIPTION:	Single pack, quick drying, fluorescent acrylic paint
RECOMMENDED USE:	To provide a high degree of object visibility to critical items, potential hazards obstructions and safety markings. Must be applied over a white background and protected with an UV absorbing lacquer PERMAGLOW 100.

PRODUCT INFORMATION:

Colour:	Red, Yellow, Orange, Green & Blue
Finish:	Semi-gloss
Volume solids %:	45 ± 3 % (ASTM-D2697-86)
V.O.C.:	490 g/l (NB. – Thinning will affect VOC compliance and volume solids)
Typical thickness:	40-50 microns dry film thickness
Theoretical coverage:	11.25 m ² /ltr. @ 40 microns dft
Flash point	25°C
Mixing ratio:	Single Pack
Shelf life:	12 months from the date of manufacture
Pot life:	Not applicable
Pack size:	18 liters & 3.6 liters

FILM THICKNESS AND SPREADING RATE:	MIN.	MAX.	UNIT
Dry film thickness	40	50	µm
Wet film thickness	89	111	µm
Spreading rate	10	8.33	m ² /l (theoretical)

This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.

SERVICE TEMPERATURE:	80°C maximum dry
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RECOMMENDED THINNER:	Thinner No.3 (5%)
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DRYING & CURING TIME:

SUBSTRATE TEMPRATURE	15°C	23°C	35°C
Touch dry	2 hours	1.5 hours	1 hour
Dried to over coat (minimum)	3 hours	2 hours	1 hour
Hard dry	8 hours	6 hours	4 hours

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SURFACE PREPARATION:

Remove all oil and grease in accordance with SSPC-SP1. Manually prepared surfaces should be prepared in accordance with SSPC-SP2 or SSPC-SP3. For more severe exposure, conditions blast cleaning to SSPC-SP 7 may be required. Abrasive blast clean to Sa 2 ½ BS7079:Part A1:1989. Average surface Profile 35 - 75 micron

RECOMMENDED COATING SYSTEM:

PRIMER:	PERMAGLOW 140
TOPCOAT:	PERMAGLOW 145
PROTECTIVE COAT	PERMAGLOW 100 / PERMATHANE T 137

RECOMMENDED APPLICATION METHODS:

Airless spray, conventional spray, roller & brush

APPLICATION EQUIPMENT DETAILS:

Airless spray	Conventional spray
Nozzle Size : 0.38mm (15 thou)	Nozzle Size : 1.27mm (50 thou)
Fan Angle : 40°	Atmospheric pressure : 2.8kg/cm ² (40 psi)
Operating pressure : 115kg/cm ² (1600 psi)	Fluid pressure : 0.7kg/cm ² (10 psi)

APPLICATION CONDITIONS AND OVER COATINGS:

This material should preferably be applied at temperatures in excess of 10°C. In conditions of high relative humidity, i.e. 80-85%, good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point and always above 0°C. At application temperatures below 10°C, drying and curing times will be significantly extended, and spraying characteristics may be impaired. Application at ambient air temperatures below 5°C is not recommended.

HEALTH AND SAFETY:

Please observe the precautionary notices displayed on the container. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Consult Product Health and Material Safety Data Sheet for information on safe storage, handling and application of this product.

Disclaimer: The information in this document is given to the best of KPC Paint's knowledge that based on laboratory testing and practical experience Products are often used under conditions beyond KPC's control and KPC Paints cannot guarantee anything but the quality of the product itself.

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