

# Product Data



## BLAKES POLYGLOSS

MIXED PRODUCT 55551

BASE 55559  
CURING AGENT 95370

**Description:** BLAKES POLYGLOSS is a two pack polyurethane topcoat, giving a high gloss finish which is extremely durable and resistant to UV degradation and abrasion. It is well known for its ease of use and high performance properties. For use above the waterline.

**Recommended use:** As a finishing coat on surfaces above the waterline on glass fibre, aluminium, steel, ferrocement, plywood and other wood, where substrate movement is minimal.

**Availability:** Subject to confirmation.

### PHYSICAL CONSTANTS:

Colours/Shade nos: Britannia Blue/31810 - True Blue/34660 - Rhapsody/33960 - Souvenirs/32800 - Pacific Blue/33910 - Black/19990 - Chodo Green/43000 - Pillarbox Red/50800 - Survival Orange/50190 - Inca Yellow/02050 - Pearl White/23800 - White/10001

Finish: High-gloss

Volume solids, %: 56 ± 1

Theoretical spreading rate: 15.5 m<sup>2</sup>/litre - 35 micron

Flash point: 35°C/95°F

Specific gravity: 1.3 kg/litre - 10.8 lbs/US gallon

Dry to touch: 6-8 hours at 20°C/68°F  
14-18 hours at 10°C/50°F

Dry to sand: 24 (*app*) hours at 20°C/68°F  
54 (*app*) hours at 10°C/50°F

Fully cured: 7 days at 20°C/68°F  
14 days at 10°C/50°F

V.O.C.: 435 g/litre - 3.6 lbs/US gallon

*The physical constants stated are nominal data according to the BLAKES Group's approved formulas. They are subject to normal manufacturing tolerances and where stated, being standard deviation according to ISO 3534-1. Further reference is made to "Explanatory Notes" in the BLAKES PAINT MANUAL.*

### APPLICATION DETAILS:

Mixing ratio for 55551: Base 55559 : Curing Agent 95370  
2 : 1 by volume

Application method: Airspray (*See REMARKS overleaf*)      Brush/Paint pad (*See REMARKS overleaf*)

Thinner (max.vol.): BLAKES THINNERS No 6 (40%)      BLAKES THINNERS No 2 (10%)

Pot life: 6 hours (20°C/68°F)  
12 hours (10°C/50°F)

Cleaning of tools: BLAKES THINNERS No 2 - Brushing/ BLAKES THINNERS No 6 Spraying

Indicated film thickness, dry: 35 micron/1.4 mils

Indicated film thickness, wet: 75 micron/3 mils

Recoat interval, min: 16 hours (20°C/68°F)  
36 hours (10°C/50°F)

Recoat interval, max: 5 days (20°C/68°F) (*See REMARKS overleaf*)  
10 days (10°C/50°F) (*See REMARKS overleaf*)

**Safety:** Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult BLAKES PAINTS Material Safety Data Sheets and follow all local or national safety regulations. Avoid inhalation, avoid contact with skin and eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as protection of the environment. Apply only in well ventilated areas.

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## 2. BLAKES POLYGLOSS

APPLICATION CONDITIONS:	Apply only where application and curing can proceed at temperatures above 5°C/41°F. The surface must be clean and dry, and its temperature must be above the dew point to avoid condensation. Best results are obtained at temperatures between 15-20°C/59-68°F. High relative humidity or condensation within the first 24 hours after application (20°C/68°F) may impair the film formation. Moisture content in wood should not exceed 16%. In confined spaces provide adequate ventilation during application and drying.	
PRECEDING COAT:	BLAKES EPOXY PRIMER UNDERCOAT or according to specification.	
REMARKS:	Dry:	
Service temperatures:	Periodical, maximum:	120°C/248°F
	Peak, maximum:	140°C/284°F
	At service temperatures above 100°C/212°F, slight discoloration may be expected.	
	May be specified in another film thickness than indicated depending on purpose and area of use.	
	Normal range is 30-40 micron/1.2-1.6 mils.	
	The amount of thinning relates to conditions of application: Method, temperature, ventilation and substrate. By aerospray add BLAKES THINNERS No 6 until a viscosity of 17-20 seconds/DIN 4 cup (approx. 35%) is reached. Use the smallest possible nozzle and the lowest possible air pressure. The best finish is obtained by "misting" the surface first and then apply to full film thickness.	
	Maximum recoat interval refers to exterior surfaces exposed to periodical immersion, splash, condensation or abrasion during service life of the coating system. On other areas no maximum recoat interval for adhesion. If maximum recoat interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion. A completely clean surface is mandatory to ensure intercoat adhesion, especially at long recoat intervals. Any dirt, oil and grease has to be removed, e.g. with suitable detergent followed by (high pressure) fresh water cleaning. Salts to be removed by fresh water hosing.	
	To check an adequate quality of the surface cleaning a test patch is recommended before actual overcoating.	
	In case of overcoating with other paint materials maximum will be 1-3 days at 20°C/68°F), 2-6 days at 10°C/50°F, depending on type.	
	CURING AGENT is sensitive to moisture. Store in a dry place and keep the can tightly closed until use. Open curing agent cans with caution as overpressure might exist. Even small traces of water in the mixed paint will reduce the pot life and result in film defects. If only part of the CURING AGENT is to be used, do not remove the lid, but make two holes in the bottom of the can. After use, close the holes tightly with tape. The cans should be opened with care as there may be risk of overpressure, especially in the can containing the curing agent. Do not fix the lid on cans containing mixed paint.	
Note:	<b>The information given in the Technical Data Sheet is intended for commercial use.</b>	
ISSUED:	August 2004 - 5555110000CS006 BLAKES PAINTS	

***This Product Data Sheet supersedes those previously issued. For definition and scope, see explanatory notes to applicable Product Data Sheets.***

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***Product data are subject to change without notice and become void five years from the date of issue.***