Product Data

BLAKES SEATECH PRIMER

MIXED PRODUCT 18502

BASE 18509

CURING AGENT 97701

Description: BLAKES SEATECH PRIMER is a waterborne two component polyamine cured epoxy primer.

Recommended use: As a tie coat for waterborne antifoulings.

Availability: Subject to confirmation.

PHYSICAL CONSTANTS:

Colours/Shade nos:	Grey/12170
Finish:	Semi-flat
Volume solids, %:	45 ± 1
Theoretical spreading rate:	9.0 m²/litre - 50 micron
Flash point:	> 66°C/151°F
Specific gravity:	1.3 kg/litre - 10.8 lbs/US gallon
Dry to touch:	4 *(app)* hours at 20°C/68°F 10 *(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.:	20 g/litre - 0.2 lbs/US gallon *(ASTM D 3960)*

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 18502:	Base 18508 : Curing agent 97701 3 : 2 by volume	
Application method:	Airless spray	Brush
Thinner (max.vol.):	Fresh water (5%)	Fresh water (5%)
Pot life:	4 hours (20°C/68°F) *(See REMARKS overleaf)* 1 hour (10°C/50°F) *(See REMARKS overleaf)*	
Nozzle orifice:	.015"-.019"	
Nozzle pressure:	Min. 150 bar/2200 psi *(Airless spray data are indicative and subject to adjustment)*	
Cleaning of tools:	Fresh water *(See REMARKS overleaf)*	
Indicated film thickness, dry:	50 micron/2 mils	
Indicated film thickness, wet:	125 micron/5 mils	
Recoat interval, min:	4 hours (20°C/68°F) 10 hours (10°C/50°F)	
Recoat interval, max:	24 hours (20°C/68°F) *(See REMARKS overleaf)* 60 hours (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 PAINT 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.

Issued: JUNE 2004

2. BLAKES SEATECH PRIMER

SURFACE PREPARATION	**Repair:** Remove oil and grease etc. with BLAKES SURFACE CLEANER. Remove salt and other contaminants by (high pressure) fresh water cleaning. Remove rust and loose paint by abrasive blasting or power tool cleaning to St 3 (spots) before overcoating. Touch up bare spots with BLAKES SEATECH PRIMER or BLAKES EPOXY PRIMER UNDERCOAT depending on area of use.
APPLICATION CONDITIONS:	Use only where application and curing can proceed at 10°C/50°F or above. Apply on a clean and dry surface with a temperature above the dew point to avoid condensation. Relative humidity during drying below 80%, preferably between 40-60%. Good ventilation during application and drying is necessary. During drying it is of utmost importance that sufficient ventilation is covering all parts of the surfaces painted. Ventilation requirements to remove the water vapours liberated during application and drying are approx. 75 m^3/litre of paint at 20°C/68°F. (Relative humidity of the air supply approx 40%.)
PRECEDING COAT:	BLAKES GELPROTECT SFE200 or BLAKES EPOXY PRIMER UNDERCOAT (EPU).
SUBSEQUENT COAT:	BLAKES SEATECH ANTIFOULING or according to specification.
REMARKS:	The optimal intercoat adhesion is obtained when recoating is done while BLAKES SEATECH PRIMER is still slightly tacky. BLAKES SEATECH PRIMER must cure for 7 days at 20°C/68°F, 18 days at 10°C/50°F, before possible launching. **The pot life time is not indicated eg by an increase in viscosity. Although the paint still looks usable after 4 hours at 20°C/68°F, it is important that the paint is no longer used as its protective properties are dramatically reduced after this time. Be aware that the pot life will decrease when the temperature decreases, eg to 1 hour at 10°C/50°F. Use eg an alarm clock to indicate when the pot life has been exceeded.** Tools must be cleaned immediately with fresh water or lukewarm soap water. Dried paint residues can be removed by use of suitable detergent or BLAKES DEGREASER. Store at temperatures between 5-40°C/41-105°F. The shelf life is reduced at temperatures above 30°C/86°F. Do not expose to frost during storage and transport.
Note:	**The information given in the Technical Data Sheet is intended for commercial use.**
ISSUED:	JUNE 2004 - 1850212170DK103 BLAKES PAINTS