

BLAKES GELPROTECT SFE200

MIXED PRODUCT 35651

BASE 35659

CURING AGENT 97351

Description: BLAKES GELPROTECT SFE200 35651 is a two component amine adduct cured solvent-free epoxy high build primer. It forms a hard, tough and water resistant coating.

Recommended use: As a primer below the waterline on boats made of glass fibre reinforced polyester or steel. Also for prevention and repair of osmotic blistering in the glass fibre reinforced polyester.

Availability: Subject to confirmation.

PHYSICAL CONSTANTS:

Colours/Shade nos: Grey/13700 - Cream/24700
Finish: High gloss
Solids content: 100%
Theoretical spreading rate: 5 m²/litre - 200 micron
Flash point: > 100°C/212°F
Specific gravity: 1.3 kg/litre - 10.9 lbs/US gallon
Dry to touch: 10-12 hours at 20°C/68°F
22-27 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.: 10 g/litre - 0.1 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. Further reference is made to "Explanatory Notes" in the BLAKES PAINT MANUAL. The theoretical spreading rate has been calculated on the basis of a 100% solids volume.

APPLICATION DETAILS:

Mixing ratio for 35651: Base 35659 : Curing agent 97351
3 : 2 by volume
Application method.: Brush/Foam roller
Thinner: **Do not dilute**
Pot life: 45 minutes (20°C/68°F)
60 minutes (15°C/59°F)
Cleaning of tools: BLAKES THINNERS No 5 or BLAKES DEGREASER - the roller is disposed after use
Indicated film thickness, dry: 200 micron/14 mils
Indicated film thickness, wet: 200 micron/14 mils
Recoat interval: 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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SURFACE PREPARATION: Remove oil and grease, etc. with BLAKES SURFACE CLEANER. Remove salt and other contaminants by (high pressure) fresh water cleaning.
Glass fibre: The surface to be abraded to an even roughness (grinding paper, grain size 100). Remove dust.
New vessels should have been out of the mould for sufficient time to allow full cure of the hull and the release of any residual styrene. It is advisable to contact the manufacturer of the product being coated. It is essential that all traces of mould release agent are removed by the careful application of BLAKES DEGREASER or BLAKES SURFACE CLEANER.
BLAKES GELPROTECT SFE200 may be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate.

APPLICATION CONDITIONS: Use only where application and curing can proceed at temperatures above 5°C/41°F. The temperature of the paint itself should be 15°C/59°F or above to secure proper application properties. The surface must be clean and dry and its temperature must be above the dew point to avoid condensation.
Glass fibre: If applying a protective system, apply with roller application a minimum of 2 coats at 200 microns dry film thickness each coat - for a treatment system apply a minimum of 800 microns, approximately 4-5 coats.
Do not be tempted to add additional curing agent in an effort to accelerate drying, as the mix will not cure properly. To maximise "Pot Life" (or working time), pour the mixture directly into a clean roller tray and start application as soon as possible. (Do not mix materials in roller trays as it is very difficult to achieve complete mixing).

SUBSEQUENT COAT: According to specification.

REMARKS: The curing agent is highly thixotropic. Add the 2 parts CURING AGENT to the 3 parts BASE and mix carefully.
No not use excessive pressure when rolling, as this will result in a poor finish and low film thicknesses. Ideally apply product to substrate by roller and with a brush work out and lay off. Note that mixed BLAKES GELPROTECT SFE200 should not be left in the mixing pot, as it may become hot very quickly and will liberate noxious fumes. Material in this condition also poses a fire hazard and should be removed safely outdoors.
Recoating intervals:

Overcoating	20°C/68°F		10°C/50°F	
	Minimum	Maximum	Minimum	Maximum
26030 Blakes Underwater Primer	8 hours	12 hours	18 hours	27 hours
375671 Blakes GelProtect SFE200	8 hours	5 days	18 hours	11 days

Before overcoating after exposure in contaminated environment clean surface thoroughly by (high pressure) fresh water hosing and allow to dry.
Launching should not take place until the last coat of BLAKES GELPROTECT SFE200 35651 has cured for 1 week at 20°C/68°F, 2 weeks at 10°C/50°F.

NOTE: The information given in the Product Data Sheet is intended for professional use.

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BLAKES PAINTS

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

Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User. The Products are supplied and all technical assistance is given subject to BLAKES PAINTS GENERAL CONDITIONS OF SALES, DELIVERY AND SERVICE, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said GENERAL CONDITIONS for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise.

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