

Epifanes Flat Black

One-component black matt finish for interior and exterior



PRODUCT DESCRIPTION

One component black matt finish for all surfaces. This product has a high resistance against alcohol and household chemicals. With its gloss rate of only 5-10%, it gives a modern look to all surfaces. Due to the urethane resin it has a high scratch resistance.

Field of use: In a new system for wood, steel and aluminium. GRP in combination with the appropriate primer. When applied in an interior system, start with the appropriate primer before applying several coats of Flat Black. When using this product for exterior use, it is recommended to finish, after the primer, with a high gloss top coat first. This high gloss topcoat gives a higher UV protection in the long run. After the top coat, apply 1 or 2 coats of Flat Black.

PRODUCT INFORMATION

Type	Oxidative drying
Base	Urethane
Gloss	Matt 10%
Colour	Black
Density at 20°C.	0,930 g/cm ³
Viscosity	40 seconds ISO-cup 6 mm
Solids Contents	55 ± 2 vol. %
VOC-level	453 g/l
Packing	750ml
Shelf life	In closed unopened container stored in a dry room at temperatures between 5 - 30°C approx. 3 years.
Rec. filmthickness	60 - 70 µm wet = 30 - 35 µm dry
Thinner brush	Epifanes Brushthinner for Paint & Varnish or a good quality white spirit
Thinner spray	Epifanes Spraythinner for Paint & Varnish or denaturated alcohol
Thinning in general	Thinning ratio depends on product temperature and working area. Avoid overthinning. For thinning ratios, we refer to the Epifanes paint systems.

Drying times	10°C.	15°C.	20°C.	25°C.
Dust dry	4 hours	3 hours	2 hours	1,5 hours
Sandable/Recoatable	48 hours	36 hours	24 hours	18 hours

The above mentioned drying times are indicative at 65% RAH and 35 µm dry filmthickness. Drying also depends on the amount of ventilation and applied wet filmthickness. Higher wet filmthickness and/or poor ventilation results in longer drying times. Especially horizontal parts may take longer to dry due to high wet filmthickness. Allow each paint coat sufficient time to dry. Do not apply wet-on-wet!

Theoretical coverage 16m² per liter @ 35 µm dry filmthickness

Practicle coverage Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.



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APPLICATION

Conditions during application	Temperature	minimal 8°C. - maximal 30°C.
	Relative air humidity	minimal 50% - maximal 85%

Best results are achieved by using a roller, longhaired soft brush or by spray. Evenly distribute the paint over the surface and do not retipp. Do not apply wet-on-wet. Do not apply excessive wet films to avoid the formation of curtains and drying problems. Avoid painting in direct sunlight or much wind. A rapid loss of solvents will occur under these conditions and will decrease the flowing ability. The maximum difference in temperature between the surface and the paint is 3°C. In case the product "pulls" and is difficult to apply, 10% Epifanes Brush thinner may be added. After drying, lightly sand the surface with P400 or Scotch Brite before applying the next coat. Always sand fresh coats by hand.

Guidelines for spray application:

Thinning volume	Nozzle	Pressure	Visco DIN-cup 4 mm
10-15%	1.3 mm - 1.5 mm	2-3 Bar	20-22 sec.

Substrates	Bare GRP	Clean and degreased with Epifanes Fibreglass Prep Cleaner Sanded with P220-240 and apply 1 primer coat first.
	Bare wood	Clean, dry and degreased with Epifanes Spraythinner for Paint & Varnish Sanded with P220-240 and apply 1 or 2 primer coats first.
	Bare Steel	Clean, dry, free of corrosion and degreased with Epifanes Cleaning Solution Sanded with P60 and apply 3 primer coats first.
	Existing paintwork	Well bonding, dry and degreased with Epifanes Spraythinner for Paint & Varnish Sanded with P220-240
Appropriate primer	All substrates	: Epifanes Multi Marine Primer - Epifanes Undercoat
	Wood	: Epifanes Woodprimer.
	New aluminium	: Epifanes Washprimer AQ

GRP	Steel	Wood	Aluminium
1 - 2 primer coats	3 primer coats	1 - 2 primer coats	1 - 2 primer coats

System build up	After curing, sand every primer coat with P180-220 before applying finishing coats After priming, finish with 3 full bodied coats. In case of interior, use 3 coats of Flat Black. When using it for exterior, start with 1-2 coats of Mono-urethane and 1 coat of Flat Black. Lightly sand between coats with P400 or Scotch Brite. For further information about the recommended Epifanes system build up. Visit our website and download the step-by-step system information.		
Theoretical coverage	16m ² per liter @ 35 µm dry film thickness		
Practicle coverage	Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.		
Recoatibility with other Epifanes products	Epifanes Mono-urethane Yacht Paint Epifanes Non-skid deck coating Epifanes Nautiforte Yacht Paint	Epifanes Yacht Enamel Epifanes Satin Finish Epifanes Waterline Paint	
Safety	The user of this product should obey all national laws and legislation concerning health, safety and environmental hazard. For more information on health and safety, we refer to the Material Safety Data Sheet of this product.		

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