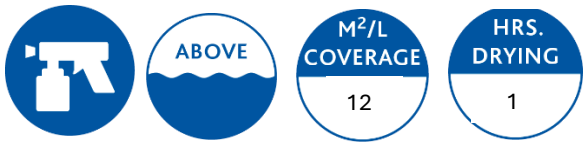
Technical Datasheet EN-110 09-2026

Epifanes PU Speedcoat Colours

Professional topcoat finish for spray applications





PRODUCT DESCRIPTION

A professional two-component high gloss finish with outstanding flowing properties. Dedicated to spray application with extremely short overcoating times. Provides long lasting gloss retention and is scratch - and weather resistant. After full cure polishable.

Field of use: Solely for spray application on GRP / Steel / Aluminium / Plywood. Protecting and ecstatic finish for interior and exterior use in combination with the correct priming system. This product is **not** suited for brush/roller applications.

PRODUCT INFORMATION

Type	Chemical drying
Base	Acrylic poly-ol
Gloss	Extreme high Gloss
Colour	On request: Epifanes colours, maritime related colours and RAL colours
Density @ 20°C.	1100 -1300 gramms. / dm^3
Viscosity @ 20°C.	40 seconds IS0-cup 4 mm
Solids contents	40 ± 2 vol. % / 50 ± 2 vol. % by weight
VOS-level	569 gram/liter (mixture)
Packing	2 kg. Component A + 1 kg. Component B. = 3 kg
Shelf life	In closed original container if stored in a location with temperatures between 5 - 30°C Base component A : 3 years – Curing component B : 1 year
Mixing ratio by weight	2 parts base component A + 1 part curing component B
Mixing instrauctions	Well stir base component A prior to adding curing component B. Stir both components together for at least 5 minutes to a homogeneous substance. (2 minutes with mechanical stirring).
Induction time @ 20°C.	10 minutes
Rec. filmthickness	60 - 70 µm wet = 30 - 35 µm dry
Thinner spray	Epifanes PU Speedcoat Thinner / Epifanes PU Speedcoat Thinner Slow
Thinning in general	Thinning ratio depends on product temperature and working area. Avoid overthinning.
Tools	HVLP and RP air spray only

Drying times	12°C.	15°C.	20°C.	25°C.
Dustdry	2 hours	1.5 hours	1 hour	1 hour
Recoatable (wet-on-wet)	3 hours	2 hours	1 hour	1 hour
Pot life after mixing	5 hours	4 hours	3 hours	2 hours

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

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EPIFANES® Yacht Coatings

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Substrate

Bare wood: Degreased with Epifanes Spraythinner for Paint & Varnish and sanded P180 - P220.
Existing 2-C varnish: Degreased with Epifanes Spraythinner for Paint & Varnish and sanded P240 For a good grip on the varnish in place, thin 1st. varnish coat 10 – 15%

APPLICATION / WORKING ENVIRONMENT

Conditions during application	**Temperature**	**minimal 12°C. - maximal 30°C.**
	Relative air humidity	**minimal 50% - maximal 70%**

Epifanes PU Speedcoat is designed for HVLP and RP spray applications only. Finest results however are archieved by RP gun. Evenly distribute the coating on the surface. Wet the surface generously, but avoid excessive wet films to avoid the formation of curtains and drying problems. Avoid large difference in temperature of the product, surface to be coated and working area. Wet-on-wet application is possible when the solvents have evaporated. When applying a subsequent coat after 48 hours, always sand.

Guidelines for spray settigs:

Thinning volume	Nozzle	Pressure	Vicosity DIN cup 4 mm
15 – 20%	RP 1.1 mm – 1.3 mm HVLP 1.1 mm – 1.6 mm	2 – 2.5 Bar	18 – 19 seconds

Application remarks

Airless spray not advised. Pressure feed paint container: Pot life will be shortened due to temperature increase in the container. Before spraying, always check filter house and filters on contamination.

System build up

Amount of coats	3 coats or more
Film thickness per coat wet	60 - 80 µm wft
Film thickness per coat dry	30 - 40 µm dft
Total film thickness	90 - 120 µm dft

Coverage theoretical

12m^2 per liter.@ 35 µm dry filmthickness

Coverage practical

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

Intercoat sanding

Not required (wet-on-wet application.)
Only sand if subsequent coat is applied after 48 hours @ 20°C.

Polishing

After 7 days full cure @ 20°C

Recoatability

With itself wet – on wet after 60-90 minutes @ 20°C.
For additional gloss and depth one or more coats Epifanes PU Speedcoat Clear Gloss may be applied on top of Epifanes PU Speedcoat Colour. This is also recommended in case of polish

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, refer to the Material Safety Data Sheet of this product.

Although the facts and suggestions in this product information sheet are based on our own research and field experiences and are believed reliable, we cannot simply be held responsible for performance or results obtained through the use of this product. Ineffectiveness or other unintended consequences may result, because of such factors as weather, conditions, presence or other materials or the manner of preparation, use or application all of which are beyond W. Heeren & Zoon's control. All such risks are assumed by user.
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