VARIOUS

The waterline

It is recommended to strike the boot top approximately 5cm. (2 inches) above the waterline, while the boat is fully loaded. This means that the underwater paint system should extend 5 cm. (2 inches) above the actual water level. This will prevent the topside (including the waterline) paint system from being affected by constant immersion in water.

Epifanes Waterline Paint is especially designed for use on the waterline and for application on an existing paint system.

On bare fiberglass use Epifanes Multi Marine Primer first for best adhesion. For more information on Epifanes Waterline Paint, refer to page 41.

Aluminum parts

New aluminum has a greasy residue on the surface which must be removed (do not sand). On new aluminum we recommend applying one thin coat Epifanes Washprimer AQ. The Washprimer AQ provides excellent adhesion for the first primer coat on aluminum. For more information on Epifanes Washprimer AQ, refer to page 35.

Although aluminum hardly corrodes, a thin layer of oxidation can be formed which must be removed. The existing aluminum surface must therefore be well degreased and sanded with 80 dry. Apply first coat Epifanes Multi Marine Primer (one-component) or Epifanes Epoxy Primer (two-component) as soon as possible.

Epifanes Mono-urethane Yacht Paint 24 vivid colors.

A hard, one-component, air-drying, high gloss topcoat based on urethane- alkyd resins. Provides superior covering and filling, long lasting weather durability and high gloss retention. Offers rapid initial curing. On the right, a print version of the 24 colors gives an indication of our standard colors. For an overview of all Epifanes colors, see the Epifanes color fan.







Frequently asked questions

The paint does not dry thoroughly

The temperature is too low for good flow, there is not enough air circulation or too thick a layer has been applied. Applying too much wet filmthickness may entrap solvents in the paint. Drying problems can also occur by applying a one-component product directly on a 'too fresh' epoxy or fiberglass layer. Fresh epoxy can produce an amine blush on its surface, which interferes with paint's ability to dry properly. Amine blush should be removed with acetone prior to sanding the epoxy. The required amount of time for through-drying depends on the amount of solvents remaining in the original coat. In extreme cases throughdrying may not occur at all. These coats must be removed.

The coat has developed wrinkles

"Alligatoring" or wrinkling of paint or varnish is usually caused by the application of too thick a layer (often on horizontal surfaces), or by the application of a fresh coat on an insufficiently cured coat, or by application in direct sunlight. The entrapped solvents may, in time, evaporate through the original layer of paint. If necessary, this can be encouraged by lightly sanding the wrinkled surface, letting air into the paint layer and allowing it to dry. When the paint coat has dried, sand to a fresh surface and recoat.

QUESTIONS

Blisters form during application

This is usually caused by application on a hot surface, especially in direct sunlight, or in windy conditions. The heat expands the solvents leading to blisters.

Small blisters form after application

This is generally caused by the expansion of moisture or entrapped solvent under the finish. May also result from applying excessive wet film and/or not observing dry times between coats. The use of incorrect thinners may also cause small blisters.

"Fish eyes"

The paint refuses to flow in a continuous uniform coating. This is caused by the presence of water, grease, wax, silicones or other contamination on the surface, low temperature, or application of paint on a surface that has not been sanded or sanded insufficiently. Many products may contain silicones, i.e. polishes, hand creams, sealants and cockpit sprays. In all cases remove the paint while still wet. Clean the surface with an appropriate cleaner and degreaser. Sand thoroughly and recoat.

Pulling during application

Pulling of paint or varnish can occur when insufficient product is applied or when the product is too thick for the ambient conditions. This can be overcome by either thinning the

product or by applying more paint or varnish on the surface. Read: a thicker coat.

Paint does not adhere

Failure to adhere, lifting or chipping is usually due to insufficient surface preparation (i.e. grease, no sanding, sanding dust on surface). Painting on a damp surface may also cause poor adhesion. Filled areas may also cause bonding problems. Old style filling materials eventually crumble and easily absorb moisture.

Water stains

These may develop when rain or other moisture falls on a semi cured coat. After evaporation, chalk and salts from the water remain on the outer film and lead to discoloring.

Premature loss of gloss

Premature loss of gloss is often due to insufficient dry filmthickness. The dry paint or varnish film deteriorates much faster than normal. Polishing and cleaning with aggressive polishing products may also lead to loss of gloss and even crazing. In all cases, degrease the surface and lightly sand and apply one or more fresh coats. We recommend applying one or more fresh maintenance coats annually. Especially in warmer climates (i.e. Caribbean) more maintenance coats with shorter times between are needed. Always make sure that paint and varnish work keeps its gloss.





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Clear Finishes

	etear rimisries		
	Epifanes Clear Varnish with extra UV filter (1-comp.)	Epifanes Woodfinish Gloss with UV Filter (1-comp.)	Epifanes Woodfinish Matte (1-comp.)
product description	A clear, high gloss, traditional yacht varnish, based on tung oil, phenol and alkyd resin. Unique flow characteristics, high build capacity and excellent outdoor durability. Contains an extra UV filter protecting the wood against discoloration. Its flexibility prevents cracking on working wood. This varnish is famous for its high gloss retention and long lasting properties, even in tropical climates.	A clear, high gloss varnish-like finish, based on alkyd and phenolic resins. Excellent adhesion to degreased and sanded new teak and other exotic woods. For use where a glossy, varnished look is desired. Its microscopic porosity allows the wood to breathe. The UV filter protects the wood against discoloration. Water- and weather resistant and excellent outdoor durability. Sanding between coats is not required if the next coat is applied within 72 hours.	A clear, satin finish, based on urethane/ alkyd resin and tung oil. Provides a beautiful, rich, matte finish for all fine woodworks, like teak and iroco, giving years of protection against alcohol and other aggressive household chemicals.
field of use	For use on bare solid wood (mahogany, meranti, Oregon pine) and marine plywood both inside and outside above the waterline for fresh and salt water environments. Maintenance of intact one- and two-component varnish systems regardless of brand.	To be used on solid teakwood, iroco, oak, mahogany and meranti or as an alternative for continuous maintenance of wood oil systems. For interior and exterior work above the waterline in both fresh and salt water environments. When applied on non-oily wood that does not need to "breathe" a minimum of 8-10 coats is required. Not suited on bankirai.	Apply as a finish coat over several build-up coats of Epifanes Woodfinish gloss or Epifanes Clear Gloss Varnish.
thinner	Brush - Epifanes Brushthinner for Paint & Varnish Spray - Epifanes Spraythinner for Paint & Varnish	Brush - Epifanes Brushthinner for Paint & Varnish Spray - Epifanes Spraythinner for Paint & Varnish	Brush - Epifanes Brushthinner for Paint & Varnish Spray - Epifanes Spraythinner for Paint & Varnish
recoatability	After 24 hours at 18°C/65°F.	After 24 hours at 18°C/65°F. No sanding required if recoated within 72 hours.	After 12 hours at 18°C/65°F.
coverage	1000 ml. is sufficient for 14 m 2 /150 sq. ft. @ 35 μ m dry filmthickness	1000 ml. is sufficient for 12 $m^2/130$ sq. ft. @ 35 μ m dry filmthickness	1000 ml. is sufficient for 12 m²/130 sq. ft. @ 30 μm dry filmthickness
packing	250 ml - 500 ml - 1000 ml - 5000 ml	500 ml - 1000 ml	500 ml - 1000 ml
color	Transparent amber	Shows milky in the can, but dries transparent amber	Transparent amber

30	Clear Finishes		
	Epifanes Rubbed Effect Varnish (1-comp.)	Epifanes Rubbed Effect Varnish Low VOC (1 comp.)	Epifanes Rapidclear and Rapidcoat with UV Filter (1-comp.)
product description	A quick drying, clear interior satin finish, based on urethane/alkyd resin. This interior finish gives superior protection against alcohol and other aggresive household chemicals. Apply as a finish coat over several buildup coats of Epifanes Clear Gloss Varnish or Woodfinish gloss.	A very quick drying, scratch resistant one-component water-based interior varnish providing a beautiful satin sheen, outstanding flowing ability and excellent resistance against alcohol and other household chemicals. Very low on VOC and no odor. For best results apply by nylon brush along the wood grain.	A UV resistant semi-gloss wood finish, based on modified alkyd/ urethane resins. The answer for a quick and easy alternative to conventional varnish. For long term protection and enhancement of all interior and exterior marine and household woods above the waterline. It bonds extremely well to teak and other oily woods, preventing discoloration and emphasizes the natural grain of the wood. Quick drying, excellent breathing properties, flexibility, maximum durability and longevity.
field of use	Apply as a interior satin finishing coat over several build-up coats of Epifanes Clear (Gloss) Varnish or Woodfinish gloss. Maintenance of intact one- and two-component interior varnish systems regardless of brand.	Suitable as a water based alternative to traditional solvent based interior satin varnishes over several build-up coats of Epifanes Clear (Gloss) Varnish or Woodifinish Gloss. Maintenance of intact one- and two-component interior varnish systems regardless which brand. Keep away from frost and direct sunlight.	To be used as quickdrying building and/or finishing system on all interior and exterior marine and household woods above the waterline. Rapidcoat (teakpigmented) is also suited as quickdrying primercoat prior to Epifanes Clear Varnish and Woodfinish Gloss (sand with P220). Maintenance of intact one- and two-component varnish systems regardless which brand.
thinner	Brush - Epifanes Brushthinner for Paint & Varnish. Spray - Epifanes Spraythinner for Paint & Varnish	Brush and spray - tap water	Brush - Epifanes Brushthinner for Paint & Varnish Spray - Epifanes Spraythinner for Paint & Varnish
recoatability	After 12 hours at 18°C/65°F.	After 6 hours at 18°C/65°F. and after previous coat has dried completely transparent.	After 5 hours at 18°C/65°F.
coverage	1000ml. is sufficient for 13 m ² /140 sq. ft. @ 30 µm dry filmthickness	1000 ml. is sufficient for 12 m²/130 sq. ft. @ 30 µm dry filmthickness	750 ml. is sufficient for 10 m²/100 sq. ft. @ 25 μ m dry filmthickness

Shows milky in the can, but dries fully

750 ml

Rapidclear: transparent amber / Rapidcoat: light teak

1000 ml

transparent clear

packing

color

500 ml - 1000 ml

Transparent amber

Epifanes Poly-urethane Clear Gloss with UV filter (2-comp)

A high gloss, two-component, polyester saturated, aliphatic urethane finish with excellent outdoor durability. Resistant to weathering, chemicals, scratching and loss of gloss. Outstanding flow characteristics for both brush and spray applications. The UV-filter protects the wood from discoloration.

Mixing ratio by weight: 2 parts component A to 1 part component B . Allow to activate for 10-15 minutes before use.

Suited as a indoor and outdoor varnish system on its own on non-working (ply-)wood, as UV-resistant and protective finishing coat on epoxy resin or as an intermediate adhesion coat on wood treated with epoxy resin prior to the application of Epifanes one-component varnishes.

Brush - Epifanes Poly-urethane Brushthinner Spray - Epifanes Poly-urethane Spraythinner

After 24 hours at 18°C/65°F. Within 48 hours without sanding.

750 gr. is sufficient for 10 m²/100 sq. ft. @ 30 μm dry filmthickness

750 gr. - 3 kg. (A + B)

Transparent clear

Epifanes Poly-urethane Clear Satin (2-comp.)

A hard scratch resistant two-component, polyester saturated, aliphatic urethane

satin finish. Superior protection against alcohol and other aggressive household chemicals. To be used as a satin finish over intact existing (Epifanes) poly-urethane varnish systems on dimensionally stable wood (i.e. marine plywood). Excellent for use on cabin soles or salon tables.

Mixing ratio by weight: 2 parts component A to 1 part component B . Allow to activate for 10-15 minutes before use.

Apply preferably as an interior satin finish coat over several build-up coats of Epifanes Poly-urethane Clear Gloss, Epifanes PP varnish Extra or epoxy resin. Maintenance of intact two-component interior varnish systems regardless which brand. Stir well before and during use. For best results, apply by nylon roller or short haired roller.

Roller - Epifanes Poly-urethane Brushthinner Spray - Epifanes Poly-urethane Spraythinner

After 24 hours at 18°C/65°F. Within 48 hours without sanding.

750 gr. is sufficient for 10 m²/100sq. ft./ @ 30 μm dry filmthickness

750 gr. (A + B)

Transparent clear

Epifanes PP Varnish Extra with UV Filter (2-comp.)

A professional, quick drying, high gloss build up varnish for all types of wood, based on alkyd resin and

isocyanate. Recommended sealer for oily wood, i.e. teak and iroco. Resistant to water, alcohol and various household chemicals. Excellent flow and abrasion resistance, superior grain filling and rapid build-up. Offers sufficient flexibility for application on working wood (i.e. masts). The varnish contains a high-quality UV filter, however for exterior use it is advised to overcoat with 2-3 coats Epifanes Poly-urethane Clear Gloss (2-comp.) or Epifanes Clear Gloss Varnish (1-comp.) for extra UV-protection.

Sealing, quick building and/or grain filling varnish for new work on bare solid (working) wood and (non-working) plywood for both interior and exterior above the waterline. Isolating varnish on oily tropical wood types. Ideally suited for working wood. Interior finishing of door, panels, kitchen furniture, etc. Maintenance of existing clear two-component varnishes.

Brush - Epifanes Thinner for PP Varnish Extra or Epifanes PU Brushthinner Spray - Epifanes Thinner for PP Varnish Extra

Wet-on-wet after 2-3 hours at 18°C/65°F. Within 48 hours without sanding. After 48 hours sand with 220.

1000 ml. is sufficient for 14 m²/150 sq. ft. @ 30 μ m dry filmthickness

2000 ml - 10 ltr (A + B)

Transparent clear

Pigmented Finishes

curing.

Epifanes Mor	10-urethar
Yacht Paint (1-comp.)

A hard, one-component,

air-drying, high gloss finish

resins. Provides superior cove-

paint based on urethane/alkyd

Epifanes Poly-urethane Yacht Coating (2-comp.)

A high gloss, two-component,

Epifanes Yacht Enamel (1-comp.)

A high gloss, one-component, alkyd-based, traditional

ring and filling, long lasting weather durability and high gloss retention. Offers rapid initial

polyester saturated, aliphatic urethane coating. Scratch resistant, excellent outdoor durability and weather resistance. The finish provides a perfect flow and easy application by brush, roller or spray.

marine finish. This enamel has very good flowing and covering properties and provides long lasting gloss retention and excellent weather durability.

field of use

product description

suitable for interior and exterior use above the waterline in conjunction with the appropriate primer or directly on well degreased and sanded fiberglass. Maintenance of existing one- and two-component systems regardless of brand.

Fiberglass/GRP - steel - wood - aluminum:

suitable for interior and exterior use above the waterline in conjunction with the appropriate primer or directly on well degreased and sanded fiberglass. Maintenance of existing twocomponent systems regardless of brand.

Fiberglass/GRP - steel - wood - aluminum:

Fiberglass/GRP - steel - wood - aluminum: suitable for interior and exterior use above the waterline in combination with the appropriate primer. Maintenance of existing one- and two-component systems regardless of brand.

thinner

Brush - Epifanes Brushthinner for Paint & Varnish Spray - Epifanes Spraythinner for Paint & Varnish

Brush - Epifanes Poly-urethane Brushthinner Spray - Epifanes Poly-urethane Spraythinner

Brush - Epifanes Brushthinner for Paint & Varnish Spray - Epifanes Spraythinner for Paint &

recoatability

After 24 hours at 18°C/65°F.

After 24 hours at 18°C /65°F. Within 48 hours

After 24 hours at 18°C/65°F.

1000 ml is sufficient for 15 m²/160 sq. ft. @ 40 µm dry filmthickness

without sanding. 750 gr. is sufficient for 10 m²/100 sq. ft. @ 30 µm dry filmthickness

1000 ml is sufficient for 15 m²/160 sq. ft. @ 40 µm dry filmthickness

coverage

mixing ratio

packing

color

Varnish

By weight: 2 parts comp. A + 1 part comp. B(2:1)750 gr (A + B)

750 ml 24 standard colors according to color fan.

24 standard colors according to color fan. Custom made colors on request

750 ml - some colors also in 2000 ml. 46 standard colors according to color fan.

Epifanes Nautiforte Epifanes Nonskid Epifanes Multiforte Yacht Paint (1-comp.) Deckcoating (1-comp.) A high gloss one-A one-component, semi-gloss, A one-component, semi gloss topcoat component finish, urethane/alkyd based nonskid based on a special combination of medium oil deckpaint containing measured alkyd/ urethane resin reinforced with acrylic based on siliconized alkyd resins. This finish amount of polypropylene beads copolymer. Provides rapid drying, excellent provides outstanding weather durability, as the nonskid agent. To avoid the intake of adherence, highly abrasive and weather resistant. Recommended long lasting gloss retention, rapid wet film moisture, apply Nonskid Deckcoating on at least for use on steel surfaces above the waterline where a highly drying, minimal dirt retention and is non-2 high gloss coats. Application by shorthaired fur abrasive resistant top coat is required, such as decks, deck-houses, roller provides an even distribution of the beads. gangways and derricks. For new work on bare steel in conjunction yellowing. Stir well before and during use. Allow the final with anticorrosive primers such as Epifanes Multi Marine Primer coat at least 72 hours to harden thoroughly. and maintenance of existing, well adhering one-component Fiberglass/GRP - steel - wood - aluminum: paint systems. Fiberglass/GRP - steel - wood - aluminum: as suitable for interior and exterior use nonskid finishing deckcoating on full one-Fiberglass/GRP - steel - wood - aluminum: For new work above above the waterline in conjunction with the appropriate primer or directly on component paint systems. Maintenance of the waterline in conjunction with appropriate primer (i.e. Epifanes well degreased and sanded fiberglass. existing nonskid paint systems regardless which Multi Marine Primer). Maintenance of existing, well adhering one-Maintenance of existing one- and twocomponent paint systems. brand. component systems regardless of brand. Brush - Epifanes Brushthinner for Paint & Short haired roller – Epifanes Brushthinner for Brush - Epifanes Brushthinner for Paint & Varnish Varnish Paint & Varnish Spray - Epifanes Spraythinner for Paint & Varnish Spray - Epifanes Spraythinner for Paint & Varnish After 24 hours at 18°C/65°F. After 24 hours at 18°C /65°F. Allow 72 hours to After 6 hours at 18°C/65°F. through harden. 1000 ml is sufficient for 4-8 m²/45-85 sq. ft. 1000 ml is sufficient for 14 m²/150 sq. ft. 1000 ml is sufficient for 10 m² /100 sq. ft. @ 40 µm dry @ 40 μm dry filmthickness @ 40 μm dry filmthickness filmthickness 750ml - 2000ml 750 ml - grey # 212 and # 213 also in 2000ml 4000 ml White - black - light grey - medium grey - dark grey - redbrown -

White - cream # 1 - grey # 212 - grey # 213

green # 218 - electric blue

White - light oyster # 24 - off white # 25

Epifanes Teak-O-Clean & Bright

product description Cleans and restores original teak color.

Epifanes Teak-O-Clean & Bright is a water based cleaner and brightener for teak and other tropical woods. This cleaner is fast, easy to apply and restores weathered, grey teak to its original color. Unlike many other teak cleaners it will not effect the caulking in teak decks, i.e. polysulfide, polyurethane etc. Shake at least 1 minute before use. Store frost free and away from direct sunlight.

Epifanes Teak-O-Bello

Prevents renewed weathering

Epifanes Teak-O-Bello is a water based coating for teak and other hardwoods. The unique, environmentally friendly formulation prevents the wood from weathering for an extended period of time. Fast and easy to apply. Lasts longer than solvent-based teak oils and teak sealers and resists the formation of mould. It will not effect the caulking in teak decks. i.e. polysulfide, polyurethane etc. Contains no VOC's, no toxic fumes and is solvent free. Shake at least 1 minute before use. Apply max. 2 thin coats on fully dry wood. Avoid film building. Store

Epifanes Teak Oil Sealer

A traditional impregnating oil. based on linseed oil and alkyd resin. Protects teakwood from discoloration caused by weather or pollutants. Ideal for the maintenance of teak decks. May be applied wet-on-wet. Degrease wood with Epifanes Spraythinner for Paint & Varnish or denatured alcohol and allow to evaporate. Apply with a wide brush, Poly-Brush or lint free cloth until surface is saturated. Remove excess material. Attention: due to the possible risk of self ignition, after use always keep cloths soaked in water

field of use

Suitable for fresh and saltwater. For prolonged protection from weathering allow to fully dry and treat the surface with Epifanes Teak-O-Bello.

Maintenance of teak decks, teak railings, grips and other teak parts on board, i.e. furniture. For interior and exterior use above the waterline. Suitable for fresh and salt water.

frost free and away from direct sunlight.

other teak on board subject to heavy traffic, i.e. teak railings, grips and other teak parts on board, i.e. furniture. For interior and exterior use above the waterline. Suitable for fresh and salt water. Avoid excessive film building.

Maintenance and protection of teak decks and

thinner

Do not thin

After fully dry

30 minutes at 18°C/65°.

500 ml

Wet-on-wet

Do not thin

coverage

recoatability

1000 ml. is sufficient for 7 m²/75 sq. ft. depending on surface.

1000 ml. is sufficient for 7 m²/75 sq. ft. depending on surface roughness and application method.

For lighter coloring, dilute with tap water

1000 ml. is sufficient for 7 m²/75 sq. ft. depending on surface roughness and application method

packing

500 ml

1000 ml

Primers

Epifanes Multi Marine Primer "All-in-one-primer"

A one-part multi purpose tie-coat or

product description

sanding and adhesion primer for above the waterline combining all characteristics of separate substrate primers in one. This primer offers excellent adhesion to wood, fiberglass, steel, stainless steel, aluminum, galvanized metal, copper and most other bare or painted substrates. Features include exceptional covering capability, high build, good grain filling and corrosion prevention on steel. If topcoated with Epifanes Poly-urethane top coat, allow each coat at least 72 hours (18°C./65°F) to dry and sand with 180-220. Apply in thin coats only, use above 10°C/50°F.

Washprimer AQ

A waterbased adhesion primer providing excellent bond to new aluminum. zinc coated and galvanized steel surfaces, non-ferrous metals, glass and ceramics. For interior and exterior use above and below the waterline. Can be overcoated with all Epifanes one-and two-component products. Apply one thin coat. Avoid curtains. On existing aluminum, use Epifanes Multi Marine Primer after degreasing and sanding the surface with 6o.

Epifanes Undercoat/Epigrond

A one-component primer and undercoat based on a urethane/alkyd resin. For use in a one-component paint system above the waterline. Provides maximum adhesion on previously painted, and well degreased and sanded one component paint systems. Suitable for interior and exterior use. Recoatable with all Epifanes one-component products.

field of use

Fiberglass/GRP - hard plastics - steel - wood - aluminum - zinc: bonding and transition primer for interior and exterior use above the waterline. Repair and filling primer on existing oneand two-component primers/paints and fully cured, degreased and coarsely sanded epoxy layers. Transition coat between one-component and two-component PU finish and reverse.

New aluminum: bonding primer on difficult adhering surfaces. For interior and exterior use above and below the waterline. Recoatable with all Epifanes one-and two-component paints. Do not sand Epifanes Washprimer AQ.

Fiberglass/GRP - wood - steel - aluminum: for use in a one-component paint system above the waterline in conjunction with the appropriate primer or directly on well degreased and sanded fiberglass. Suitable for interior and exterior use.

Brush - Epifanes Brushthinner for Paint & Varnish

Spray - Epifanes Spraythinner for Paint & Varnish

thinner

With 1-comp. paints: after 12 hours at 18°C/65°F. With 2-comp. PU paints: after at least 48 hours at

18°C/65°F. (continuous) and preferably longer.

Brush - Epifanes Brushthinner for Paint & Varnish

Spray - Epifanes Spraythinner for Paint & Varnish

Cleaning tools: water After 2 hours at 18°C/65°F

Do not thin

After 24 hours at 18°C/65°F

recoatability

1000 ml is sufficient for 8-10 m²/85-100 sq. ft. @ 50 μm dry filmthickness

1000 ml is sufficient for 16 m²/170 sq. ft. @ 20 µm dry filmthickness

1000 ml is sufficient for 10 m²/100 sq. ft. @ 40 µm dry filmthickness

packing 750 ml - 2000 ml - 4000 ml 500 ml - 1000 ml

750 ml - 2000 ml

colours

coverage

White - grey - redbrown

Off white, dries fully transparent

White

36	Primers
	Epifanes Poly-urethane Primer
product description	A hard two-part semi gloss

field of use

thinner

recoatability

coverage

mixing ratio

fanes v-urethane Primer

poly-urethane undercoat.

pinhole-free surface prior to

medium filling and easy sanding.

Suitable as filling undercoat for interior and

exterior on bare fiberglass, on existing polyurethane based finishes or on epoxy based

systems above the waterline for fresh and salt

Brush - Epifanes Poly-urethane Brushthinner

Spray - Epifanes Poly-urethane Spraythinner

750 gr is sufficient for 9 m²/95 sq. ft. @ 50 μ m

After 6 and max. 72 hours at 18°C/65°F.

Dustdry after 2.5 hours at 18°C/65°F.

Sandable after 24 hours at 18°C/65°F..

Provides an extremely smooth, topcoating with Epifanes high gloss poly-urethane. Good flowing properties, very quick drying,

Epifanes Interimcoat

A two-component primer

and/or intercoat based on an

outstanding adhesion proper-

ties and durability. Can be recoated with many

one- and two-component products. Suitable

for use above and below the waterline in an

epoxy- and vinyl resin with



on an epoxy resin and zinc phosphate as the anti-rust agent. High build, high filling capacity and easy

An anti-corrosive primer based

epoxy system or directly on bare fiberglass. Fiberglass/GRP - steel - wood - aluminum: For use above and below the waterline. Bonding primer for all types of antifouling on fiberglass/ GRP. Finishing bonding coat on epoxy systems. After curing, always degrease with Epifanes Spraythinner for Paint & Varnish to remove possible amine blush from the surface. Do not

sand this primer.

dry filmthickness

sanding. For use as a filling primer in a two-component paint system on (ply-)wood and fiberglass and as an anti-corossion primer in a two-component paint system on steel and aluminum. For optimum adhesion always thin first coat on bare plywood and metal by 20-25% and apply by stiff brush. Fiberglass/GRP - steel - wood - aluminum: Bonding and filling primer for interior and exterior use above

and below the waterline. Also for maintenance of existing epoxy systems. Recoatable with Epifanes Poly-urethane Yacht coating, Poly-urethane Primer, Epoxy HB Coat, Interimcoat and Epoxy Filler. Brush and spray - Epifanes Epoxythinner D-601

After 12 hours at 18°C/65°F.

2-comp. products: after 4 hours at 18°C/65°F. 1-comp. products: after 24 hours at 18°C/65°F.

1 kg is sufficient for 8 m²/85 sq. ft. @ 35 μm

Roller and spray - Epifanes Epoxythinner D-601

Within 5 days without sanding.

dry filthickness

White

By weight: 4 parts base comp. A + 1 part comp. B

By weight: 90 parts Base A: 10 parts Cure B By volume: 86 parts Base A: 14 parts Cure B

By weight: 100 parts Base A: 14 parts Cure B By volume: 100 parts Base A: 25 parts Cure B

750 gr - 5 kg.

750 ml - 2000 ml - 4000 ml

1000ml is sufficient for 12 m²/130 sq. ft. @ 40 µm

packing 750 gr - 3 kg

colors

White

White - grey

dry filmthickness

water.

Epifanes Epoxy HB Coat

Two component high build coating based on modified epoxy resin. High anti-corossive properties on steel and provides protection against osmosis on fiberglass/GRP. The quick drying and high solid contents allow rapid building of epoxy dry filmthickness.

Epifanes Woodprimer

A traditional one-component primer based on alkyd resins. For use on bare wood, with good filling, building and covering properties. The appropriate primer for wood in one-component paint systems above the waterline. Recoatable with all Epifanes one-component paints.

Fiberglass/GRP - steel - plywood - aluminum: fast building of a watertight coating inside and outside, above and below the waterline. For repairing and as anti-osmosis coating on fiberglass. Also for maintenance of existing epoxy systems. Recoatable with Epifanes Poly-urethane Yacht coating, Polyurethane Primer, Epoxy Primer, Interimcoat and Epoxy Filler.

Wood: bonding primer on bare wood in a one-component paint system above the waterline.

Brush and spray - Epifanes Epoxythinner D-601

After 6 hours at 18°C/65°F.

After 24 hours at 18°C/65°F.

Brush - Epifanes Brushthinner for Paint & Varnish Spray - Epifanes Spraythinner for Paint & Varnish

Recoatable with all Epifanes 2-part paints and coatings.

1000 ml is sufficient for 8-10 m²/85-100 sq. ft. @50 µm dry filmthickness (depending on wood)

1000 ml is sufficient for 9 m 2 /95 sq. ft. @ 65 μ m dry filmthickness

_

By weight: 88 parts Base A : 10 parts Cure B By volume: 100 parts Base A : 20 parts Cure B

750 ml - 2000 ml - 4000 ml

750 ml - 4000 ml

Light grey - black

White - grey - black

Fillers

Epifanes Epoxy Filler 1500

product description

water resistant light-weight filler based on epoxy resins. Shrink free, low odor. Can fill up to 1.5 cm. in one single application. Prior to use, stir each component separately and then thoroughly together until color is uniform. Do not use under 12°C. (60°F). Best sandable properties are between 24 and 48 hours.

Fiberglass/GRP - steel - wood - aluminum: in two-component

repairs may also be topcoated with one-component primers/

epoxy systems above and below the waterline. Smaller

topcoats. Larger repair areas should always be topcoated

15-40 minutes depending on temperature and filler volume

A very strong two-component, chemical and

field of use

mixing ratio

with two-component Poly-urethane. If desired followed by a one-component finish. By volume: 100: 50

By weight: 100:50

pot life after mixing

sandable After 24 hours at 18°C/65°F.

750 ml - 1500 ml packing 1000 ml is sufficient for 1.1 m²/11 sq. ft. @ 0.5 mm. filmthickness

Light grey

color

remarks

Filled areas must be well degreased with Epifanes Spraythinner for Paint & Varnish or a simular product. This will prevent clogging of grease in the sandpaper and will ensure a better bonding. Follow by sanding with P100-P120.

Epifanes Epoxy Finishing Filler

A strong two-component finishing filler based on epoxy resins. Very fine and shrink free. Provides a very smooth surface. Apply in thin layers only (max. 1 mm.). Prior to use, stir each component separately and then thoroughly together until color is uniform. Do not use under 12°C. (60°F.). Best sandable properties are between 24 and 48 hours.

Fiberglass/GRP - steel - wood - aluminum: a fine epoxy

finishing filler for use on Epifanes Epoxy Filler 1500 in

two-component paint systems above and if needed below the waterline. If topcoated above the waterline with a one-component finish, first apply one coat Epifanes Poly-urethane Yacht Coating or Poly-urethane Primer.

By volume: 100: 50 By weight: 100: 50

After 24 hours at 18°C/65°F.

750 ml

Light grey

Filled areas must be well degreased with Epifanes Spraythinner for Paint & Varnish or a simular product. This will prevent clogging of grease in the sandpaper and will ensure a better bonding. Follow by sanding with P100-P120.

750 ml is sufficient for 1.5 m²/14 sq. ft. @ 0.1 mm. filmthickness

15-40 minutes depending on temperature and filler volume

Epifanes Fiberglass Filler	Epifanes Combi Filler	
A fast drying, two-component filler suitable for small repairs on steel and fiberglass. Can be applied in thick layers. Before use, mix well with 2-4 % of the reactor from the tube . Recoatable with all Epifanes one- and two-component products.	A traditional one-component knifing filler based on alkyd resins. Suitable for levelling of small irregularities in one-component paint systems for wood or steel above the waterline. Apply in thin layers only (max. 1 mm.)	
Fiberglass: repair and filling of small irregularities above the waterline. Steel: Small repairs in paint systems above the waterline.	Repair and filling of small irregularities in one-component paint systems on wood and steel above the waterline.	
2-4% hardener		
5-10 minutes depending on temperature and mixed filler volume		
After 30-60 minutes at 18°C/65°F.	After 24 hours at 18°C/65°F. and 1 mm filmthickness	
500 gr + 20 gr. tube white hardener 1500 gr + 50 gr. tube white hardener	225 gr (tube) - 800 gr	
White		
After cure, immediately sand and overcoat this filler with a 15-20% thinned sealer coat. The sealer coat prevents moisture from entering the filler.	Apply between primer coats or prior to the first finishing topcoat.	

Westwind **Antifouling**

A highly advanced selfpolishing antifouling for all types of ships sailing between 5 and 30 knots. Suitable for both fresh and salt water areas. By the movement of the boat, the underwater area constantly exposes a fresh surface with bio-active materials and avoids unnecessary



A bituminous primer reinforced with aluminum providing a tough impermeable film. For the underwaterprotection of wood steel or aluminum. For touch ups or full treatment prior to the application of antifouling paints. May be overcoated with most types of antifoulings. We recommend to first make a test patch to check the solvent resistance of the Epifanes Underwaterprimer. Antifouling should be applied in full layers without repeated



A protecting black coating for use above and below the waterline. Due to its closed surface structure. this coating provides excellent water resistance whan submerged. Offers perfect bonding on bare steel, existing coal tar layers and synthetic primers. This coating also offers ease of application, colorfastness, elasticity and protection against UV and the interchangable effects of water and air.

field of use

product description

water areas. Due to its selfpolishing character, not suited for fast moving (speed-)boats. Launch after at least 18 hours and before 6 months. Not suited for use on aluminum or other lightalloy metals.

build-up of antifouling layers. This antifouling can also be applied directly on top of existing polishing

antifoulings after thorough scrubbing with a stiff

chlorinated rubber antifoulings after wet sanding.

brush and fresh water hosing down and on vinyl and

Fiberglass/GRP - wood - steel: in conjuction with

the appropriate primer, suited for fresh and salt

Also for maintenance and repair on traditional underwater systems and remaining antifouling leftovers. Recoatable after 7 days with classic and selfpolishing antifoulings. Not suited for

Brush - Epifanes Brushthinner for Paint & Varnish

First coat on bare steel and coal tar; Epifanes

antifoulings based on chlorinated rubber and/

Wood - steel: for general underwater protection.

for use above and below the waterline. For optimum anti corrosion on bare steel below the waterline at least 250-300 microns dry filmthickness must be applied. This equals 500ml. per m² Brush - Epifanes Brushthinner for Paint & Varnish

First coat on bare steel and coal tar; Epifanes

Wood - steel - coal tar: protecting coating

thinner Do not thin

If needed: Epifanes Thinner D-100

Stir well prior to use.

Spraythinner for Paint & Varnish After 24 hours at 18°C/65°F.

striking.

or vinyl.

After 12 hours at 18°C/65°F.

recoatability

coverage

After 6 hours at 18°C/65°F. 1000 ml is sufficient for 8 m²/85 sq. ft. @ 50 μm

1000 ml is sufficient for 9 m²/95 sq. ft. @ 50 μm dry filmthickness

1000 ml is sufficient for 10 m²/100 sq. ft. @ 50 μm dry filmthickness

dry filmthickness

750 ml - 2000 ml - 4000 ml

1000 ml - 4000 ml

packing 2500 ml.

Silver/bronze

Spraythinner for Paint & Varnish

colors

Redbrown - black - light blue - medium blue

Stir well prior to use.

Black

Stir well prior to use.

remarks

Epifanes Epifanes Classic Epifanes Waterline Paint Mahogany Stain Bilge Paint product description **Epifanes Classic Mahogany** A protecting paint based A high gloss one component Stain is a quick drying, on modified alkyd resin for paint, especially formulated impregnating stain formuuse in bilge spaces, engine for use at the waterline. lated specifically for bare rooms etc. where a tough Outstanding protection mahogany and other marine woods. This stain paint system is required. Can be applied over against weather and the interchangeable provides a warm, rich red/brown mahogany most substrates with one-component primer effects of water and air. Fresh and salt water color. Depending on desired degree of intensity, systems. resistant. a maximum of 3 coats may be applied on bare wood. Recoatable with all Epifanes one component and two-component varnishes. Fiberglass/GRP - steel - wood - aluminum: Fiberglass/GRP - steel - wood - aluminum: field of use Wood: for interior and exterior use on new and existing (mahogany) woodwork above Bilges, chain lockers and other wet areas in on well adhering paint systems above the waterline. It is recommended to strike the the waterline. It is possible to mix Epifanes conjunction with the appropriate primer Mahogany Stain (10% maximum) with boot top 5-10 cm. above the waterline, while system. Epifanes one- and two-part varnish creating boat is fully loaded, preventing constant a lightly tinted finish for camouflaging color water immersion. differences in an existing system. Shake well prior to use. thinner Do not thin Brush - Epifanes Brushthinner for Paint & Brush - Epifanes Brushthinner for Paint & Varnish Varnish Spray - Epifanes Spraythinner for Paint & Spray - Epifanes Spraythinner for Paint & Varnish Varnish After 24 hours at 18°C/65°F. recoatability After 2 hours at 18°C/65°F. After 24 hours at 18°C/65°F. 500 ml. is sufficient for 4-7 m²/45-75 sq. ft. 1000 ml. is sufficient for $4-7 \text{ m}^2/45-75 \text{ sq. ft.}$ 250 ml. is sufficient for 3-4m²/30-40 sq. ft. coverage depending on surface @ 40 µm filmthickness @ 40 µm filmthickness 750 ml - 2000 ml packing 250 ml 500 ml. White - Grey White - light blue - dark blue - red - black -Mahogany colours green

product description

Other products

Epifanes Rust Remover

A quick drying rust remover based on water resisting polymers. Makes steel surfaces suitable for coating and stops the rusting process for 48 hours. Non-toxic and non-flammable. It does not contain any acids and does not harm the environment. Can be topcoated with

all Epifanes one- and two-component primers.

preparation prior to applying an anti corrosion

NOTE: This product is no substitute for any

(primer-) coat. It is designed for surface

Epifanes Fiberglass Prep Cleaner

A special degreaser for optimum preparation of fiberglass surfaces. Removes all wax and oily residues on fiberglass and ensures a proper surface for sanding and coating. Attention: wear protecting gloves and clothing.

Epifanes Easy-Flow

A multi-purpose additive or stand alone coating based on a selection of natural oils. Suitable for use in onecomponent half-synthetic paints and primers to optimize impregnation/saturation and conservation of the surface. Flow enhancer under cold or hot working conditions. Stand alone product to prevent rust on steel. (penetrates existing thin layers of rust through to the steel) and as impregnating oil on wood.

paint system. Bare steel: rust removal for above and below field of use

the waterline. Allow at least 3 hours to react with the steel surface.

500 ml - 1000 ml

rags or paper towels. Turn rag/towel constantly during degreasing and often renew rag/towel. This will ensure that contamination is actually removed and not replaced. Do not thin

Fiberglass/GRP: cleaning and degreaser of

waterline. Always use multiple clean lintfree

fiberglass surfaces above and below the

component half-synthetic paints and primers.

Wood - steel: additive for use in one-

thinner recoatability

Do not thin

Do not thin

coverage

500 ml. is sufficient for 10m²/100 sq. ft. depending on steel surface

500 ml

500 ml - 1000 ml - 4000 ml

packing colours

Off white. Creates a blue-blackish surface after.

reaction

	Epifanes Nonskid Beads	Epifanes Paint Remover	Epifanes Accelerator for Paint & Varnish
product description	Nonskid Beads for addition to Epifanes Mono-urethane or Epifanes Poly-urethane Yacht Coating to create a custom made color in nonskid. Stir in gradually, allow 15 minutes and stir once more.	A safe and odorless remover of almost all one-and two-part coatings, varnishes, antifoulings and epoxy based paints. Effectively working and non-evaporating. Suitable for use on vertical and overhanging areas. pH neutral, biologically degradable, does not contain any lyes, acids or biocides and is harmless to the substrate. May be applied below freezing.	A resin based additive for use in traditional one-component, half-synthetic paints and varnishes to speed up the curing process. For interior use, i.e. on chairs, tables, etc. this product can be added up to 50% to Epifanes Clear Gloss Varnish. Do not use with Epifanes Mono-urethane and Epifanes Nautiforte.
field of use	_	Removal of layers on fiberglass, steel, wood and aluminum. Do not apply on soft plastics. Always first make a small test patch to check compatability. After use, remove all remaining material prior to applying any paint layer.	If not more than 5-7% is added, drying time will be reduced without effecting flexibility, gloss and longevity properties.
tips for use		Stir well prior to use. Apply one thick layer by medium long natural haired brush. Avoid overbrushing. Depending on the paint layer to be removed allow the paint remover 30 minutes to 4 hours to react. Scrape clean with filling knife or shave hook. Remove remaining paint remover by washing the surface with water.	
coverage	Addition: packed in 20 grams container, sufficient for 750 ml./750 grs.	1000ml. is sufficient for approx. 2-4 m²/20-40 sq. ft.	_
packing	20 grs	1000 ml	500 ml - 1000 ml

Brushthinner for Paint & Varnish



A high quality thinner for brushing or rolling most one-component primers, paints and varnishes. High solving power providing easy thinning. The double distillation of this thinner provides maximum purity.

Packing: 500ml 1000ml 5000ml

Spraythinner for Paint & Varnish



Thinner for spray applications of one-component primers, paints and varnishes. Also highly suited for degreasing wood and existing paint and varnish layers.

Packing:

1000ml

5000ml

Poly-urethane Brushthinner



A slow evaporating thinner for brushing and rolling Epifanes Poly-urethane Yacht coatings. Also suited as slow evaporating thinner for Epifanes PP Varnish Extra.

Packing:

500ml

1000ml

5000ml

Poly-urethane



Fast evaporating for spray applications of Epifanes Polyurethane Yacht coatings.

Packing:

500ml

1000ml

5000ml

D-601



Fast evaporating

Epifanes PP Varnish

for degreasing teak

Extra. Also suited

thinner for

wood

Thinner for PP

Thinner for all **Epifanes epoxy** based products. Also suited for softening existing epoxy to allow better bonding for fresh layers



Special thinner for thinning **Epifanes Foul-Away** and Epifanes Underwaterprimer.

Thinner D-100

Packing: 1000ml. 5000ml.

Packing: 500ml 1000ml 5000ml

Packing: 500ml 1000ml 5000ml

Seapower Boat maintenance products

Epifanes Seapower Cleaner & Wax

Product description

All -in-one cleaner and wax

A one step cleaner containing the finest Carnauba wax. Easy to apply and provides maximum protection for several months. It removes surface oxidation, dirt and water marks. Cleans and protects the surface in one single application, leaving a high gloss finish. Contains "UV blockers". May be applied in full sunshine and on wet surfaces.

Epifanes Seapower Wash-n-Wax Boat Soap

For regular wash

A highly concentrated soap for regular washing of boats, cars or mobile homes. Unlike most other soap brands, this product cleans without removing the existing protecting wax layer. Provides a clean, water resistant and streak-free film. It even adds strength to the existing wax layer.

Wash-n-Wax Boat Soap is bio-degradable, pH-neutral and can be used on fiberglass, metal, rubber, wood and other types of (painted) surfaces. Very economical to use.

Epifanes Seapower Super Poly Boat Wax

Hard "once-a-year" Carnaubawax

The ultimate "Sun block" for the boat made from 100% pure Carnauba wax. Fills pores and provides maximum protection to all polyester, painted and varnished surfaces and metal for a complete season.

This "once a year" wax is easy to apply leaving a hard high gloss surface resistant to water and weather. Advanced "UV blockers" provide additional protection. May be applied in full sunshine and on wet surfaces.

application tips

Firm rubbing increases the polishing effect. Apply Cleaner and Wax on the cloth instead of the surface.

Rub in a brisk, overlapping circular motion. Allow the product to fully dry before buffing. Refresh cloth frequently to ensure a brilliant luster. To prevent excess foam, fill the bucket with warm water prior to adding Boat Soap. For heavy duty cleaning add more boat soap. To ensure a clean solution, squeeze dirty liquid from the sponge before dipping in the bucket. Work on small areas keeping the surface wet. To save time and water, dry the surface with a chamois directly after washing, Can be used in combination with salt water. Also suitable for cleaning teak decks.

500 ml - 5000 ml

Apply thin coats.

A thick coat is more difficult to buff out and does not improve protection or gloss.

Can be applied on both wet and dry surfaces.

Apply the wax on the cloth not on the surface.

Allow the wax to fully dry before buffing.

Rub in a brisk, overlapping circular motion.

Refresh cloth frequently to ensure a brilliant luster.

Can be applied on varnished wood to create an extra UV filter for added protection.

500 ml

packing

500 ml - 1000 ml - 5000 ml

Epifanes Seapower Color Restorer

Restores color and removes oxidation

If a gelcoat surface is weathered and discolored it needs to be polished. Seapower Color Restorer restores the original

color and gloss to gelcoat surfaces without damaging the gelcoat itself. Removes severe oxidation, dirt deposits and dullness, producing a fresh looking surface.

This product is appropriate for all colors. Even dark colored gelcoats and paints are restored to "like new" condition. After polishing use Epifanes Seapower Super Poly Boat Wax to give the gelcoat a new protecting waxlayer.

Rubbing firmly increases the polishing effect. Rub in a brisk, overlapping circular motion.

Allow the product to fully dry before buffing. Refresh cloth frequently to ensure a brilliant luster.

Epifanes Seapower Inflatable Boat Cleaner

Cleans, softens and preserves rubber boats and fenders

This formula has been specially developed for cleaning and maintaining all butyl, hypalon, rubber and vinyl boats and surfaces.

It slows down the aging process and removes deep-seated dirt and marks from tar, diesel oil and soles of shoes. Prevents rubber and vinyl surfaces from becoming sticky in the sun.

Also excellent for cleaning fenders. It softens and smoothens the fender reducing scratching and squeezing caused by rubbing against the hull. For tough stains use a Scotch Brite pad.

Also suited for removing spider and bird droppings.

Rinse with ample fresh water and give a new protecting wax layer using Seapower Epifanes Super Poly Boat Wax.

Seapower Metal Polish

For shiny metal

All metals on board are subject to corrosion and oxidation. Seapower Metal Polish easily removes all oxidation leaving a clean surface. Suitable for use on aluminum, magnesium, copper, bronze, chromium, stainless steel and similar surfaces.

Metal Polis

Also for repairing small cracks and restoring the original clear appearance of yellowed Plexiglas and Lexan. Formulated in easy to use paste form.

After cleaning use Epifanes Seapower Super Poly Boat Wax to give a protecting high gloss waxlayer.

ATTENTION: do not use on anodized parts.

500 ml

500 ml

500 ml

Seapower

area

Hull Cleaner

For a clean underwater

At the end of the sailing

waterline are often covered with

contamination. If not removed

quickly, this can cause permanent

Seapower Hull Cleaner effectively

addresses all degrees of persistent

The special formulation ensures

attacking antifouling or waterline

paint. Spray on, allow to react and

quick and effective cleaning without

algae, seaweed, oil residue and other

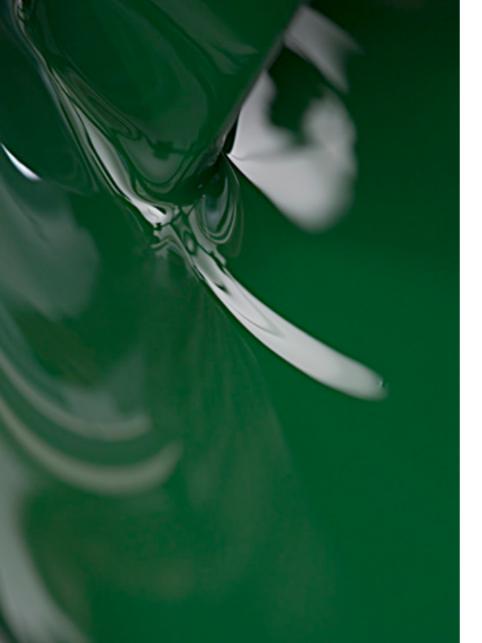
staining and even damage to the hull.

season topsides and

contamination.

rinse, it's that simple.

227 gr



General conditions

Neither seller nor manufacturer shall be liable for injury, loss or damage direct or coincidental arising from the use of these products. Before using, user shall determine the suitability of these products of their intended use, and user assumes all risk and liability whatsoever in connection with these products beyond the original purchase price. Due to varying conditions and applications, the manufacturer and seller shall not be held responsible for the failure of these products. The information and suggestions in our technical literature is, to the best of our knowledge, reliable. Since conditions of use are beyond our control, this company cannot assume responsibility for any risk or liabilities which may arise from the use of its products.



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