SKIPPER'S PAINTING GUIDE

Technical guide for the use of Skipper's Marine paints

The combination of over 50 years experience in paint manufacturing along with extensive technical and commercial research has resulted in the Skipper's line of yacht paints, a new timely, dynamic range of marine coatings formulated to meet the needs of the pleasure-boat market.

In order to provide our customers with the information necessary to obtain the best possible results with Skipper paints, we are issuing this booklet as a guide to proper application. We deliver it to you with the same spirit of collaboration, friendship and fairness that we have always maintained with our customers.

Thank you for selecting Skipper. Please call us if you require further information. Our technical service is always at your disposal.

Aemme Colori Yachting

SKIPPER (UK) LTD
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"Painting guide for the use of Skipper's marine paints"

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ONE COMPONENT ENAMELS

SKIPPER ENAMEL

Polyurethane one component gloss finish

One-component, polyurethane gloss non-yellowing topcoat of superior quality for a long lasting brilliant finish. High coverage, weather resistance in marine environment, and pure colours make of this product the best choice for a high quality one-component finish of boats. Available in 22 colours for an excellent finish by brush or spray application.

Product: One component gloss enamel	Colours: 22 colours (see colour card)
Brush, Roller: 10-20% Thinner 107 or 109	Spray: 10-25% Thinner 900
Specific gravity:1 Lt=Kg. 1.215±0.05 (White)	Viscosity Ford Cup Ø4 at20°C.: 180-210"
Solids content:70±2	Dust dry: 2-3 hours (at 20°C.)
Recoat time: 18-24 hours (at 20°C.)	Th.Coverage: 11-13 m2/Lt for 40-50 dry microns
Code: 2Q (Pastel tints), 2R (Strong tints	Pack size: Lt. 0,750 - 2,5

INTERNO SCAFI / BILGE PAINT

Internal hull paint finish

One-component product specifically formulated for application on interiors of hulls to provide adequate protection on steel, fibreglass or wooden boats. It is a fast drying paint with excellent resistance to sea water and fuels. Recommended for bilges, floors and engine rooms. Two coats application of product is recommended. Available in grey or white finish.

Product: One component finish	Colour: Grey and White.
Brush, Roller: 5-10% Thinner 700	Spray: 10-30% Thinner 900
Specific gravity:1 Lt=Kg. 1.595±0.05	Viscosity Ford Cup Ø 4 at 20°C.: 210-240"
Solids content:68±2	Dust dry:: 2 hours (20°C.)
Recoat time: 18-24 hours (at 20°C.)	Th.Coverage: 10-12 m2/Lt for 40-50 dry microns
Code:4S3909-White, 4S4478-Grey	Pack size: Lt. 0,750 - 2,5

AM LACK

One-component alkyd gloss enamel for interior and exterior

Gloss enamel finish providing good coverage for superstructure of boats and maintenace works on board of fishing boats and all kinds of boats in general. Recommended application only above the waterline. It is traded at a competitive price offering a good quality finish. Available in 7 different shades.

Product: Gloss enamel finish	Colour: White,Black, Grey,Turq.,Blue,Green,Red
Brush, Roller: 5% Thinner 107	Spray: 5-10% Thinner 107 or 900
Specific gravity:1 Lt=Kg. (White) 1.200-1.256 ±0.05	Viscosity Ford Cup Ø 4 at 20°C.:
Solids content: 71,5±2 depending on colour	Touch dry: 2-4 hour (at 20°C.)
Recoat time: 16-24 hours (at 20°C.)	Th.Coverage:12-13 m2/Lt at 40-50 dry microns
Code:2A/2B	Pack size: Lt. 0,750 - 2.5 - 15 (white only)

SKIPPER SATINATO

One component polyurethane satin enamel

Polyurethane one-component, non-yellowing, satin enamel, for a high quality satin finish. Its resistance to marine environment make this product the best choice for the painting of boats and for all those requirements where a pleasant satin finish is desired.

Product: Satin enamel finish	Colour: satin white
Brush, Roller: 10-20% Thinner 107 or 109	Spray: 10-25% Thinner 900
Specific gravity:1 Lt=Kg. 1.400±0.05	Viscosity Ford Cup Ø 4 at 20°C.: 20-25"
Solids content: 65±2	Touch dry: 3-4 hours (at 20°C.)
Recoat time: 18-24 hours (at 20°C.)	Th.Coverage:11-13 m2/Lt for 40-50 dry microns
Code:2G-White, 2GCS99-Black	Pack size: Lt. 0,750 – 2,5

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TWO COMPONENT ENAMELS

ACRIGLASS ENAMEL

Polyacrylic high gloss topcoat finish

Two-component polyacrilic enamel, absolutely non-yellowing, performing gloss retention properties and colour stability. Recommended for professional painting finish of yachts and boats. Combined with an epoxy primer (EPOFOND AM-9) provides a long lasting finish highly resistant to marine environment. Also recommended for vehicles, metal structures and external tank coating. Available in 14 colours as per colour card.

Product: High gloss polyacrylic finish	Colour: 14 colours (see colour card)
Mixing ratio A+B: 3 parts Sol.A + 1 part Sol.B by volume	Pot life: 6-8 hours at 20°C.
Brush,Roller: 15-25% F.Thinner 205	Spray: 20-35% Thinner 203
Specific gravity±0.05:1 Lt= Kg. White 1.480(A) 1.095(B)	Viscosity Ford Cup Ø 4 at 20°C.:120-180"
Solids content:65±1	Dust dry: 1-2 hours (at 20°C.)
Recoat time: after 24 hours (at 20°C.)	Th.Coverage: 10 m2/Lt a 40 dry microns
Code:2W....(A) – 8ZACRI (B)	Pack size A+B: Lt 0,750 – (Lt 3 white only)

SPACE TOP

High flowing polyurethane brushable topcoat

Polyurethane modified topcoat providing excellent flowing by brush application, specifically formulated for a brilliant finish on yachts and classic boats. Its application allows a full bodied finish both by brush and spray application with remarkable resistance to weather and marine environment. Special additives can be used to withstand particular application and weather conditions. (See SPACE TOP LINE leaflet available on request, also including SPACE CLEAR UV)

Product: High gloss polyurethane enamel	Colour: White and Marine Blue -
Mixing ratio A+B: 2 parts Sol.A + 1 Sol.B by volume	Pot life: 6-8 hours at 20°C.
Brush, Roller: 20-30% Thinner 201	Spray: 20-35% Thinner 201
Specific gravity ±0.05: 1 Lt= Kg.White 1.450 (A) 1.025 (B)	Viscosity Ford Cup Ø 4 at 20°C.: 90-120"
Solids content: 65±1	Dust dry: 3-4 hours (at 20°C.)
Recoat time: after 18-24 hours (at 20°C.)	Th.Coverage: 13-14 m2/Lt at 40 dry microns
Code:2W4703 White / 2W5549 Blue (A), 8Z4704 (B)	Pack size A+B: Lt 0,750 - 3

WHITEXT BUCCIATO

Polyurethane orange-peel topcoat

Semi-gloss textured white finish with excellent properties of flexibility and weather resistance in marine environment. Gives an "orange-peel" finish particularly recommended for topsides and superstructures of yachts and where it may be necessary to reduce surface uneveness or surface imperfections. For spray application a special spray equipment for “orange-peel” finish must be used. The orange peel effect can be modified by adjusting the percentage of thinning.

Product: Polyurethane orange-peel topcoat	Colour: White
Mixing ratio A+B: 3 parts Sol.A + 1 Sol.B by volume	Pot life: 6-8 hours at 20°C.
Brush,Roller: 5% F.Thinner 205 (light orange-peel)	Spray: 5-10% Thinner 203 (light orange-peel)
Specific gravity±0.05:1 Lt= Kg. 1.525 (A) 1.020 (B)	Viscosity Ford CupØ 4 at 20°C.: Thixotropic
Solids content:72±2	Dust dry: 30-40 min.(20°C.)
Recoat time: after 24 hours (at 20°C.)	Th.Coverage: 5-6 m2/Lt for 100 dry mirons
Code:4P3902 (A), 8Z3903 (B)	Pack size A+B: Lt 1 - 3

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ONE COMPONENT VARNISHES

SKIPPER U.V LUCIDA

High gloss clear polyurethane varnish

One-component, clear gloss polyurethane, non-yellowing varnish for a long lasting finish in the marine environment. Easy to apply is recommended for the exterior clear finish of wooden boats. Formulated with addition of UV filters to withstand sun exposure.

Product: Gloss polyurethane varnish	Colour: Transparent
Brush, Roller: 10-15% Thinner 107 or 109	Spray: 10-20% Thinner 900
Specific gravity:1 Lt= Kg. 0.920±0.05	Viscosity Ford Cup Ø 4 at 20°C.:90-120”
Solids content:57±2	Dust dry: 4 hours at 20°C.
Recoat time: after 24 hours t 20°C.	Th.Coverage: 12-14 m2/Lt for 40 dry microns
Code:6BUV	Pack size: Lt. 1 - 2,5

SKIPPER OPACA

Clear matt varnish for interiors

One-component clear matt varnish for wood. Recommended for a matt finish on interiors of wooden boats, for furniture frames and all wood substrates. Easy to apply provide good characteristics of adhesion and resistance in marine environment.

Product: Clear mat varnish	Colour: Trasparent
Brush, Roller: 15-20% Thinner 107 or 109	Spray: 20-30% Thinner 900
Specific gravity:1 Lt= Kg. 0.920±0.05	Viscosity Ford Cup Ø 4 at 20°C.:Thixotropic
Solids content:49±2	Touch dry: 6 hours at 20°C.
Recoat time: after 24 hours at 20°C.	Th.coverage: 10 m2/Lt for 40 dry microns
Code:6BA	Pack size: Lt. 1 - 2,5

SUPERWIND

Traditional boat varnish

Resin-oil baked varnish modified with polyurethane resins conferring excellent filling power, brilliancy and resistance in the marine environment. Applied on wooden boats, furniture, handrails, external frames, etc. to obtain a gloss finish.

Product: Gloss varnish	Colour: Trasparent
Brush, Roller: 10-15% Thinner 107 or 109	Spray: 10-20% Thinner 900
Specific gravity:1 Lt= Kg. 0.930±0.05	Viscosity Ford Cup Ø 4 at 20°C.: 120-180”
Solids content:57±2	Touch dry: 6-8 hours (at 20°C)
Recoat time: 24 hours (at 20°C)	Th.coverage: 12-13 m2/Lt at 40 dry microns
Code:6Z0000	Pack size: Lt. 0,5 - 1 - 2,5.

STARWIND U.V.

Tung-oil based, finest quality clear gloss varnish

One-component gloss varnish based on phenolic resin and tung oil with UV filters added, for an extra-brilliant long lasting and non-yellowing clear finish withstanding marine environment. The phenolic modification combined with the selected type of fine quality resin and the high solids content make of this varnish a high performance product for a long term resistance in the marine environment. It is important not to exceed in the recommended thickness applied and that the recommended waiting time between coats be allowed.

Product: Tung-oil high performance varnish	Colour: Trasparent
Brush, Roller: 10-15% Thinner 107 or 109	Spray: 10-20% Thinner 900
Specific gravity:1 Lt= Kg. 0.950±0.05	Viscosity Ford Cuo Ø 4 at 20°C.:120-180”
Solids content:65±2	Touch dry: 8-12 hours (at 20°C)
Recoat time: 24-48 hours (at 20°C)	Th.coverage: 12-13 m2/Lt at 40 dry microns
Code: 6ZUV	Pack size: Lt. 1 - 2,5

BEKOL

Clear varnish for wood / Gloss or Matt finish

General use varnish based on glycerophtalic resins. Suggested where a good performance varnish but economically priced at the same time is seeked for a clear gloss or matt finish on wooden surfaces. Easy to apply provides good characteristics of brushability, filling and flexibility. Traded at an interesting price can be applied on wooden boats, window or door frames, chairs,

Product: Clear gloss or matt varnish	Colour: Clear
Brush, Roller: 10-15% Thinner 107 or 109	Spray: 10-20% Thinner 900
Specific gravity:1 Lt= Kg. 0.950±0.05	Viscosity Ford Cup Ø 4 at 20°C.:
Solids content:53±2	Touch dry: 3-4 hours (at 20°C)
Recoat time: 24 hours (at 20°C)	Th.coverage: 8-10 m2/Lt at 40-50 dry microns
Code: 6A-0000 Gloss - 6A-A000 Matt	Pack size: Lt. 0,375 - 1 - 2,5

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TWO-COMPONENT CLEAR VARNISHES

ACRIGLASS U.V.

Two component high gloss clear polyacrylic varnish

High gloss clear polyacrilic varnish for wood providing excellent flowing properties and a durable flexible film. Applied as a clear topcoat finish on classical old and new wooden boats giving a top quality finish resistant to sun exposure and ageing. The addition of UV filter allows a long lasting resistance in severe marine environment giving a non-yellowing clear gloss finish.

Product: Extra gloss clear varnish	Colour: Trasparent
Mixing ratio A+B: 2 parts Sol.A + 1 Sol.B by volume	Pot life: 4-6 hours at 20°C.
Brush, Roller: 10-15% F.Thinner 205	Spray: 20-30% Thinner 203
Specific gravity 0.05:1 Lt= Kg. 1.020(A) 1.090(B)	Viscosity Ford Cup Ø 4 at 20°C.:18-20"
Solids content:44±1	Dust dry: 40-50 min.(20°C)
Recoat time: 24 hours (at 20°C.)	Th.coverage: 10-12 m2/Lt for 40 dry microns
Code:5WUV (A), 8ZVEAC (B)	Pack size: A+B: Lt 1,5 – 3

SPACE CLEAR UV

High flowing gloss brushable varnish

Gloss polyurethane varnish with outstanding flowing characteristics for brush or spray application on wooden boats. Formulated with UV filters for long term resistance in marine environment. Gives a clear gloss non yellowing finish recommended for a professional brush or spray finish. SPACE CLEAR UV is part of the SPACE TOP LINE, also including SPACE TOP enamel and a range of special additives helping product application in the most severe conditions. (See relevant leaflet on SPACE TOP LINE available on request).

Product:: Gloss polyurethane varnish	Colour: Clear trasparent
Mixing ratio A+B: 2 parts Sol.A + 1 di Sol.B by volume	Pot life: 2-4 ore at 20°C.
Brush, Roller: 10-15% Thinner 201	Spray: 10-20% Thinner 201
Specific gravity ±0.05:1 Lt= Kg. 1.025(A) 1.000(B)	Viscosity Ford Cup Ø 4 at 20C.: 35-40 "
Solids content:48±1	Dust dry: 30-60 min. (20°C)
Recoat time: min. 6-8 hours (after 8 h. sanding required)	Th.coverage:12 m2/Lt at 35 dry microns
Code:5W5049 (A), 8Z5050 (B)	Pack size A+B: Lt 1,5 - 3

POLIGLASS

Fast-drying clear polyurethane varnish

Fast-drying clear varnish applied as a multicoat system on wooden surfaces in short periods. Recommended on wooden boats and for parquet with good resistance to abrasion and to marine environment. When thinned with 50% of Thinner 203 can be used as a wood basecoat for polyurethane coating systems. It can be polished with abrasive polishing products. Widely used as a clear basecoat in Riva's Acquarama coating systems.

Product: Clear fast-drying varnish	Colour: Transparent
Mixing ratio A+B: 2 parts Sol.A + 1 Sol.B by volume	Pot life: 4 hours at 20°C
Brush, Roller: 10-15% F.Thinner 205	Spray: 10-20% Thinner 203
Specific gravity ±0.05:1 Lt= Kg. 1.050(A) 1.100(B)	Viscosity Ford Cup Ø 4 at 20°C.: 45-50"
Solids content: 53±1	Dust dry: 15-20 min.(20°C.)
Recoat time: after 8-10 hours (at 20°C.)	Th.Coverage: 10 m2/Lt for 50 dry microns
Code:5X (A), 8ZGLAS (B)	Pack size A+B: Lt 1,5 - 3

VERILUX

Polyurethane hard wearing gloss varnish

Two-component, gloss polyurethane varnish for wood with good resistance to abrasion, and exposure in marine environment. Mainly used for the coating of wooden boat, it is satisfactorily applied on parquets, furniture, handrails and all wooden interiors providing outstanding scratch and impact resistance. It can be polished with abrasive polishing products.

Tipe: Hard wearing gloss varnish	Colour: Transparent
Mixing ratio A+B: 1 part Sol.A + 1 Sol.B by volume	Pot life: 6-8 hours at 20°C.
Brush, Roller: 5-10% F.Thinner 205	Spray: 10-20% Thinner 203
Specific gravity ±0.05:1 Lt= Kg. 1.050(A)1.000(B)	Viscosity Ford Cup Ø 4 at 20°C.: 25-30"
Solids content:51±1	Dust dry: 30-40 min. (20°C)
Recoat time: 16-24 hours (at 20°C.)	Th.coverage: 10 m2/Lt for 50 dry microns
Code: 5Y (A), 8ZVERI (B)	Pack size: A+B: Lt 2 - 4

TWO COMPONENT CLEAR VARNISHES

POLIMAT

Polyurethane clear matt varnish

Two-component, polyurethane matt varnish widely used for the application on interior of boats, furniture, frames etc. where a matt finish is desired. Gives a non reflecting, tough film enhancing the warm characacteristic of wood.

Product: Two-pack polyurethane mat varnish	Colour: Transparent mat
Mixing ratio A+B: 2 parts Sol.A + 1 Sol.B by volume	Pot life: 6-8 hours at 20°C.
Brush, Roller: 5-10% F.Thinner 205	Spray: 10-20% Thinner 203
Specific gravity ±0.05:1 Lt= Kg. 1.005(A) 1.000(B)	Viscosity Ford Cup Ø 4 at 20°C.: 20-25"
Solids content: 33±1	Dust dry: 15-20 min. (20°C.)
Recoat time 8-12 hours (at 20°C.)	Th.coverage: 8 m2/Lt for 40 dry microns
Code: 5Z0000(A), 8ZMAT (B)	Pack size A+B: Lt 1,5 - 3

POLISATIN

Polyurethane clear satin varnish for interiors

Two-component polyurethane satin varnish used for the interiors of wooden boats where a satin finish is desired. Enhances the characteristics of wood and it can also be applied on floors, tables, furniture etc., with good resistance to scratch, abrasion and to most common stains such as coffee, drinks, etc.

Product: Two-pack polyurethane satin varnish	Colour: Transparent
Mixing ratio A+B: 2 parts Sol.A + 1 Sol.B by volume	Pot life: 4-6 hours at 20°C.
Brush, Roller: 0-5% F.Thinner 205	Spray: 5-10% Thinner 203
Specific gravity ±0.05:1 Lt= Kg. 0,975(A) 1.000(B)	Viscosity Ford Cup Ø 4 at 20°C.: 15-20"
Solids content:35±1	Dust dry: 5-15 min.at 20°C
Recoat time: after 8-12 hours (at 20°C.)	Th.coverage: 8 m2/Lt at 40 dry microns
Code:5P (A), 8ZSAT (B)	Pack size A+B: Lt 1,5 – 3

ANTIFOULING PAINTS

LONG-LIFE

Hard matrix long life antifouling

Long life copper based antifouling paint particularly recommended in tropical waters. Gives a long term protection from fouling to most type of bottoms, previously coated with apropriate primer. Not recommende on aluminium. Complying t EEC antifouling regulations. Recommende for boats with speed within 30 knots.

Product: Copper based antifouling	Colour:Bright or Ox. Red, Black,Blue and Grey
Brush: Ready for use or 3-5% Thinner 400	Spray: 5-8% Thinner 400
Specific gravity:1 Lt= Kg. 1,890-1980±0.05	Viscosity Ford Cup Ø 4 at 20°C.:150-180"
Solids content:75-80±1	Touch dry: 1-2 hours at 20C.
Recoat time: after min. 6 hours at 20°C.	Launching time: min.24 hours – max.72 hours
Th.coverage: 5-8 m2/Lt at 60-90 dry microns	Note:Min. 2 coats required
Code:3F4690/1/2/3/4	Pack size: Lt. 0,750 - 2,5 – 15 (min.6 cans)

SELF-POLISHING 2000

Self-polishing antifouling for all type of boats

Self-polishing type antifouling usable on all types of boat bottoms. Its soluble matrix formulation provides a continuos film releasing of the antifouling compounds during boat cruising. It does not need sandpapering before repainting. A minimum of 3 coats is recommended for best results. Applying to European antifouling regulations. Recommended on boat with speed within 25 knots.

Product: Self-polishing antifouling paint	Colour: White,Bright red, Blue Black
Brsuh: max.5% Thinner 400	Spray: 10% Thinner 400
Specific gravity:1 Lt= Kg. 1,410-1.550±0.05	Viscosity Ford Cup Ø 4 at 20°C.:150-180"
Solids content:75±1	Touch dry: 2-3 hours at 20°C
Recoat time: min. 12 hours at 20°C.	Launching: min. 24 hours – max. 1 month
Th.coverage: 10-11 m2/Lt at 50-60 dry microns	Note: a min. of 3 coats is recommended
Code:3F5525/5530/5528/5529	Pack size: Lt. 0,750 - 2,5 – 15 (min.6 cans)

SERENISSIMA

Long lasting self-polishing antifouling

High quality, long lasting idrophile matrix antifouling. The high content of coprous oxide and other valuable additives, combined to the particular vehicle formulation, allows this product to provide an excellent antifouling power in several conditions. The hydropfile nature of the vehicle (hydrophyle means “close to the water”) increase the wettability and the flowing of the hull in the water. It can be effectively used also in tropical or miscellaneous water. Provides a controlled release speed of the antifouling salts which makes this productrecommended on both medium speed boats and sailing boats. Not suitable on aluminium boats. A minimum of 2 coats is recommended.

Tipologia: Long lasting self-polishing antifouling	Colore: Bright and Oxide Red, Black, Blue
Brush: max.5% Thinner 400	Spray: 10-15% Thinner 400
Specific gravity:1 Lt= Kg. 1,700±0.05	Viscosity Ford Cup Ø 4 at 20°C.:
Solids content:75±1	Touch dry: 1-2 hours at 20°C
Recoat time: min. 8-12 hours at 20°C.	Launching time: min. 12 hours - max 30 days
Th.Coverage: 8-10 m2/Lt at 40-50 dry microns	Note: a minumum of 2 coats is recommended
Code:3F-5748 Black, 3F-5795 Blue, 3F....Red	Pack size: Lt. 0,750 - 2,5 – 15 (min.6 cans)

STANDARD

Traditional hard matrix antifouling

Traditional antifouling formulated with copper salts for use especially on traditional and working boats. It can be applied on all types of boat bottoms but not on aluminium. The application of min. 2 coats is recommended. Complying to EEC regulations. Suggested for boat speed between 0-30 knots.

Product: Antifouling paint	Colour:Oxide Red, Blue, Green, Black
Brush: 3-7% Thinner 400	Spray: 10% Thinner 400
Specific gravity:1 Lt= Kg. 1,700-1,800±0.05	Viscosity Ford Cup Ø 4 at 20°C.:150-180"
Solids content: 80±0.5	Touch dry: 3-4 hours at 20°C.
Recoat time: 18-24 hours (at 20°C.)	Launching time:Min. 24 hours Max.72 hours
Th.coverage: 10-12 m2/Lt at 50-60 dry microns	Note: a minumum of 2 coats is recommended
Code:3E3922,3E4240,3E4718,3E3757	Pack size: Lt 0,750 - 2,5 – 15 (min.6 cans)

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ANTIFOULING PAINTS

ALUFLIGHT SUPER

Hard matrix white antifouling

Hard matrix type antifouling formulated for the protection of bottoms of high speed boats such as hydrofoils and motorboats (20 to 40 knots). Its particular formulation gives a pure white film providing outstanding effectiveness against marine fouling and at the same time resistant to abrasion due to high speed of boat in which is being applied, allowing just the removal of the upper layer of the paint which, releasing the antifouling salts, maintains a continuos antifouling action. Boat speed over 20 knots is very important for the correct effectiveness of product. Complying to European regulations. The application of minimum 2 coats is recommended.

Product: Hard matrix antifouling paint	Colour: White
Brush:Ready for use or max. 3-5% Thinner 400	Spray: 5-8% Thinenr 400
Specific gravity:1 Lt= Kg.1.450±0.05	Viscosity Ford Cup Ø 4 at 20°C.:
Solids content: 66±1	Touch dry: 2-3 hours at 20°C.
Recoat time: minimum 6 hours	Launching time: minimum 24 hours – max. 30 days
Th.Coverage: 8-10 m2/Lt at 50-60 dry microns	Note: a minumum of 2 coats is recommended
Code:3F4765	Pack size: Lt. 0,750 - 2,5 –15 (min.6 cans)

VINILICA

Vynil based antifouling paint

Vynil based antifouling formulated with copper salts for high speed boats. It is a fast drying antifouling allowing a relevant short launching time. It can be applied on steel, wood or fibreglass boat bottoms but is no recommended on aluminium boats. Complying to EEC regulations. Availablein oxide red colour. The minimum application of 2 coats is recommended. Suggested for boat speed between 25 to 40 knots.

Product: Vynil antifouling paint	Colour: Oxide red
Brush, Roller: 5-8% Thinner 600	Spray: 10-15% Thinner 600
Specific gravity:1 Lt= Kg. 1.535±0.05	Viscosity Ford Cup Ø 4 at 20°C.:150-180”
Solids content:62,5±0,5	Touch dry: 30 minutes at 20°C.
Recoat time: after min.6 hours at 20°C.	Launching time: minimum 6 hours- max. 48 hours
Th.Coverage: 6-7 m2/Lt at 50-60 dry microns	Nota: a minumum of 2 coats is recommended
Code:3E4196	Pack size: Lt. 0,750 - 2,5.

ELIFAX

Antifouling for propellers

Acrylic based antifouling specifically formulated for propellers, stern-drives and flaps. Provides high adhesion and high strenght resistance. The application of 2 coats over a prior coat of ELIPRIMER is recommended. The substrate should be at first sanded with coarse grain abrasive paper and degreased with water-soluble detergent solution (do not use solvents for degreasing purposes). ELIFAX can also be applied directly on previous compatible paints in sound conditions. Application over different types of antifouling is not recommended. Complying to European regulations.

Product: Antifouling paint for propellers	Colour: White, Grey, Black
Brush: Ready for use	Spray: 5% Thinner 400
Specific gravity:1 Lt= Kg. 1,503±0.05	Viscosity Ford Cup Ø 4 at 20°C.:13-15”
Solids content: 64±1	Touch dry: 3-4 hours at 20°C.
Recoat time: 24 hours (at 20°C.)	Launching time: Min.48 hours max. 60 days
Th.Coverage: 8 m2/Lt at 50 dry microns	Note: a minumum of 2 coats is recommended
Code:3E5190-Grey, 3E5189-White, 3E5852-Black	Pack size: A+B: Lt 0,250

TIN BASED ANTIFOULING PAINTS
For use only over 25 mt lenght boats and according to local law disposals

LONG-LIFE PLUS

Hard matrix long lasting antifouling formulated with tin

For use only over 25 mt lenght boats and according to local law disposals

Long life antifouling formulated with coprous oxide and tin-compounds, particularly recommended in tropical waters. Gives a long term protection from fouling to most type of bottoms, previously coated with apropriate primer. Not recommende on aluminium. Complying t EEC antifouling regulations. Recommende for boats with speed within 30 knots.

Product: Tin based antifouling for professional use only
Brush: Ready for use or with 3-5% Thinner 400
Specific gravity :1 Lt= Kg. 1,890-1980±0.05
Solids content:75-80±1
Recoat time: after min. 6 hours at 20°C.
Th.Coverage: 5-8 m2/Lt at 60-90 dry microns
Code:3F0000 Ox.Red, 3F3957 Black, 3F3956 Blue

Colour: Oxide Red, Bright Red, Black, Blue
Spray: 5-8% Thinner 400
Viscosity: Ford Cup Ø 4 at 20°C.:150-180"
Touch dry: 1-2 hours at 20°C.
Launching time: minimum 24 hours – max. 72 hours
Note: a minumum of 2 coats is recommended
Pack size: Lt 15 (min.6 cans)

SELF-POLISHING 2000 PLUS

Self-polishing antifouling formulated with tin

For use only over 25 mt lenght boats and according to local law disposals

Self-polishing type antifouling usable on all types of boat bottoms. Its soluble matrix formulation provides a continuos film releasing of the antifouling compounds during boat cruising. It does not need sandpapering before repainting. A minimum of 3 coats is recommended for best results. Applying to European antifouling regulations. Recommended on boat with speed within 25 knots.

Product: Tin based antifouling for professional use only
Brush: max.5% Thinner 400
Specific gravity:1 Lt= Kg. 1,410-1.550±0.05
Solids content:75±1
Recoat time: min. 12 hours min. 20°C.
Th.Coverage: 10-11 m2/Lt at 50-60 dry microns
Code:3F4331 White, 3F4340 Black, 3F....Red

White, Bright Red, Black, Blue
Spray: 10% Thinner 400
Viscosity Ford Cup Ø 4 at 20°C.:150-180"
Touch dry: 2-3 hours at 20°C
Launching time: minimum 24 hours – max. 1 month
Note: a min. of 3 coats is recommened
Pack size: Lt 15 (min.6 cans)

ANTIFOULING TABLE

Antifouling	Colours	Product type	Substrate	Boat speed	Coverage m2/LT
LONG LIFE	Ox.Red, Br.Red, Blue,Grey,Black	Hard matrix	Wood,Steel, Fibreglass	0-30 knots	5-8
S.POLISH.2000	White, Br.Red, Blue, Black	Self-polishing	Aluminium,Steel, Wood, Fibreglass	0-25 knots	10-11
STANDARD	Ox.Red, Blue, D.Green, Black	Hard matrix	Wood, Steel, Fibreglass	0-30 knots	10-12
SERENISSIMA	Ox.Red, Br.Red, Blue, Black	Self-polishing	Wood, Steel, Fibreglass	0-30 knots	8-10
ALUFLIGHT	White	Hard matrix	Aluminium,Steel, Wood, Fibreglass	0-40 knots	8-10
VINILICA	Ox.Red	Hard matrix	Wood, Steel, Fibreglass	25-40 knots	6-7
ELIFAX	White, Grey, Black	Hard matrix	Aluminium,Steel, Wood, Fibreglass	/	8
LONG LIFE PLUS	Ox.Red, Br.Red, Blue, Black	Hard matrix (tin-based)	Wood,Steel, Fibreglass	0-30 knots	5-8
S.POLISH.2000 PLUS	White, Br.Red, Blue, Black	Self-polishing (tin-based)	Aluminium,Steel, Wood, Fibreglass	0-25 knots	10-11

SKIPPER (UK) LTD
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ONE COMPONENT PRIMERS AND UNDERCOATS

SOTTOFONDO 7977

One component white undercoat

Alkyd based white undercoat specially formulated for application on wood and steel surfaces exposed to marine environment. It is used for the preparation of superstructures of boats and it can be overcoated with one-component topcoat finish (e.g. Skipper enamel).

Product: One component white undercoat	Colour: White
Brush, Roller: 10-20% Thinner 107	Spray: 20-30% Thinner 900
Specific gravity:1 Lt= Kg. 1.560±0.05	Viscosity Ford Cup Ø 4 at 20°C.:18-22"
Solids content:77±2	Dust dry: 3-4 hours at 20°C.
Recoat time: after 18-24 hours at 20°C	Th.Coverage: 9-10 m2/Lt for 40-50 dry microns
Code:4S-N000	Pack size: Lt. 0,750 - 2,5

SINTOFAST PRIMER

Fast-drying one component intermediate undercoat

Fast drying intermediate undercoat for interior and exterior coating of steel and wooden boats. Provides a good anchor pattern and can be easily sandpapered. After 48 hours drying can be also overcoated by two-component polyurethane topcoats (e.g.ACRIGLASS ENAMEL or SPACE TOP).

Product: One component undercoat	Colour: White
Brush, Roller: 10-20% Thinner 700	Spray: 15-30% Thinner 900
Specific gravity:1 Lt= Kg. 1.690±0.05	Viscosity Ford Cup Ø 4 at 20°C.:180-210"
Solids content:73±1	Touch dry: 1-2 hours at 20°C.
Recoat time: after 16-24 hours at 20°C.	Th.Coverage:10-12 m2/Lt at 40-50 dry microns
Code:4S4183	Pack size: Lt. 0,750 - 2,5

SOLVER PRIMER

Chlorinated rubber-based intermediate undercoat

Primer and intermediate undercoat based on chlorinated rubber, formulated with aluminium and rust inhibitor pigments. Applied as a keying coating between old and new antifoulings or in anticorrosive coating systems. Provides outstanding resistance in marine and industrial environment. Recommended on metal structures exposed in marine environment.

Product: one-component primer	Colour: Light yellow
-Brush, Roller: 10-25% Thinner 700	-Spray: 15-30% Thinner 700
Specific gravity:1 Lt= Kg. 1.260±0.05	Viscosity: Ford Cup Ø 4 at 20°C.:Thixotropic
Solids content:62±1	Touch dry: 2-3 hours at 20°C.
Recoat time: min. 6 hours at 20°C.	Th.Coverage: 4-6 m2/Lt at 60-70 dry microns
Code:2U3900	Pack size: Lt. 0,750 - 2,5 – 18 (Min. 10 cans)

ANTICORROSIVE PRIMER

Anticorrosive primer for steel and wood

Rapid drying primer formulated to confer anticorrosive protection on steel boats and as anti-decay sealing coat for wood and marine plywood.For professional use only. Provides outstanding adhesion applied in thin layers on steel and a good sealing power on wood when largely diluted up to 50% with Thinner 600. Provides also good resistance to water immersion and a long duration for exposure to severe weather conditions.

Product: Anticorrosive primer	Colour: Orange
-Brush, Roller: 15-25% Thinner 600	-Spray: 20-30% Thinner 600
Specific gravity:1 Lt= Kg. 1.351±0.05	Viscosity Ford Cup Ø 4 at 20°C.:150-210"
Solids content:48±1	Touch dry: 30 minutes at 20°C.
Recoat time: min. 6 hours at 20°C.	Th.Coverage: 10 m2/Lt for 20 dry microns
Code:4X-4185	Pack size: Lt. 0,750 - 2,5

UNIFIBER PRIMER

One component fibreglass primer

One-component primer for direct application onto fibreglass boat bottoms and as a keying coat applied at low thickness. Recommended also as intermediate coat between epoxy and polyurethane two-component products and one-component finishes. Overcoatable with SKIPPER ENAMEL for topside and superstructure finish or with appropriate antifouling paint..

Product: One component fibreglass primer	Colour: Light green
Brush, Roller: 0-5% Thinner 600	Spray: 10-20% Thinner 600
Specific gravity:1 Lt= Kg. 1,192±0.05	Viscosity Ford Cup Ø 4 at 20°C.:25-30”
Solids content:37±1	Touch dry: 20-30 minutes at 20°C.
Recoat time: after 6 hours at 20°C.	Th.Coverage: 10 m2/Lt a 15 dry microns
Code:4S4705	Pack size: Lt. 0,750 - 2,5

ONE COMPONENT PRIMERS AND UNDERCOATS

EPOZINC 1C

One component zinc rich epoxy primer

One-component zinc-rich epoxy based coating providing easier application than two-pack products of this kind; it is used in the small carpentry industry and where a high quality anti-corrosive protection may be required. Also recommended as a maintenance coat for hot-galvanizing or touch ups on two-component products.

Product: One component zinc-rich primer
Brush, Roller*: 5-10% Thinner 700 (*small areas)
Specific gravity:1 Lt= Kg. 2,28±0.05
Solids content:81±2
Recoat time: 12-24 ore a 20°C.
Code:5I-0000

Colour: Light grey
Spray: 5-10% Thinner 700
Viscosity Ford Cup Ø 4 at 20°C: Thixotropic
Touch dry: 15-30 minutes at 20°C.
Th.Coverage: 4-5 m2/Lt at 50 dry microns
Pack size: Lt. 0,500 - 2,5.

ELIPRIMER

Special primer for propellers

One-component primer based on synthetic resin formulated for direct application on non-ferrous material such as brass, aluminium or light alloys. It can be overcoated with one component products and particularly with all types of antifoulings (e.g. ELIFAX).

Product: One component primer
Brush: 5-10% Thinner 765
Specific:1 Lt= Kg. 1,010±0.05
Solids content:25±2
Recoat time: 12 hours at 20°C.
Code:4P5241

Colour: White
Spray: 5-10% Thinner 765
Viscosity Ford Cup Ø 4 at 20°C:
Touch dry: 20 minutes at 20°C.
Th.coverage: 10 m2/Lt at 20 dry microns
Pack size: Lt. 0,250

CROMOMINIO-AT

Alkyd based rust inhibitor paint

General purpose anticorrosive one component paint formulated with high content of rust inhibitor pigments which give to the product good anti-corrosion and anti-decay characteristics. Recommended in synthetic coating system for long lasting corrosion protection. Easy to apply and fast drying, CROMOMINIO-AT provides a good anchor pattern and high coverage. Widely used in the building, carpentry and boatyard industries.

Product: Anticorrosive primer
-Brush,Roller, Spray: 15-25% Thinner 107
Specific gravity:1 Lt= Kg. 1.540±0.05
Recoat time: min. 24 hours at 20°C.
Th.Coverage 7-9 m2/Lt at 40-50 dry microns

Colour: Orange – Code 4R-5240
Viscosity Ford Cup Ø 4 at 20°C.:180-210"
Solids content:79±1
Touch dry: 2-3 hours at 20°C.
Pack size: Lt. 0,250 - 0,500 - 2,500 – Kg 30

CLOROFOND-AT

Chlorinated-rubber based deck paint

The combination of the ingredients make of this product an excellent anti-oil and anti-corrosion coating. Recommended for application on steel structures exposed to particularly agressive environments, dries quickly and provides outstanding protection and is therefore widely accepted for those coating projects where time is the most important factor to be considered. Widely used on boats decks, bilges, engines parts etc.

Product: Chlorinated rubber basecoat
-Brush, Roller: 10-25% Thinner 700
Specific gravity:1 Lt= Kg. 1.351-1.365±0.05
Solids content:75±1
Recoat time: 12 hours at 20°C.
Code:4X-5593 Oxide Red, 4X5594 Green

Colour: Oxide Red and Green Ral 6011
-Spray: 15-30% Thinner 900
Viscosity Ford Cup Ø 4 at 20°C.:180-210"
Touch dry: 1-2 hours at 20°C.
Th.Coverage: 8-10 m2/Lt at 40-50 dry microns
Pack size: Lt. 2,500 – Kg 30

TWO COMPONENT PRIMERS AND UNDERCOATS

POLIFIBER PRIMER

Two component fibreglass primer

Special two-component primer developed to confer outstanding adhesion on fibreglass. It is applied as a primer coat on topsides, superstructures and bottom fibreglass surfaces. It can be applied direct onto gelcoat provided that a suitble surface degreasing and slight sanding with fine abrasive paper is being carried out before its application.

Product: Two-component primer	Colour: White
Mixing ratio A+B: 10 parts Sol.A + 3 Sol.B by volume	Pot life: 4-6 hours at 20°C.
Brush, Roller: 15-30% Thinner 203 or 205	Spray: 25-35% Thinner 203
Specific gravity ±0.05:1 Lt= Kg. 1.685(A) 1.040(B)	Viscosity Ford Cup Ø4 at 20°C.:40-60"
Solids content A+B: 66±1	Touch dry: 2-3 hours at 20°C.
Recoat time: after 18-24 hours at 20°C.	Th.Coverage: 10 m2/Lt for 50 dry microns
Code:4S4182 (A), 8Z4183 (B)	Pack size A+B: Lt. 1 - 3,250

POLIFOND

Two component white polyurethane undercoat

Two-component polyurethane undercoat for boats and car body coating with excellent coverage and good filling power. Used as an intercoat on wood, steel or fibreglass surfaces or as a pre-treatment primer before overcoating with two-pack enamels (e.g. Acriglass, Space Top or Whitext).

Product: Two-component white undercoat	Colour: White
Mixing ratio A+B: 5 parts Sol.A + 2 of Sol.B by volume	Pot life: 6-8 hours at 20°C.
Brush, Roller: 15-30% F.Thinner 205	Spray:25-35% Thinner 203
Specific gravity ±0.05:1 Lt= Kg. 1.510(A) 1.000(B)	Viscosity Ford Cup Ø 4 at 20°C.:120-150"
Solids content A+B: 69±1	Touch dry: 3-4 hours at 20°C.
Recoat time: 12-24 hours at 20°C.	Th.Coverage:14-15 m2/Lt at 35-40 dry microns
Code: 5S0000 (A) 8ZPLFO(B)	Pack size A+B: Lt. 1 - 3,25

EPOFOND AM-9

Two component epoxy coating

Satin epoxy paint for steel, aluminium, light alloys, fibreglass, cement and wood surfaces. Recommended as a primer or undercoat in the marine industry but also widely applied on floors, tanks and industrial plants containing or in contact with oils,naphta,kerosene and soda solutions as well as for the internal coating of potable water, performing a non toxic resistant film. Used as a primer can be overcoated with chlorinated, acrilyc or polyurethane coatings, providing strong adhesion base and long effective anticorrosive barrier. Certified by the Italian Health Authority for contact with drinking water.

Product: Two-component epoxy primer	Colour: Oxide red, White, Grey
Pot life: 6-8 hours at 20°C.	Mixing ratio A+B: 9 parts Sol.A + 1 Sol.B by volume
Brush, Roller: 10-15% Thinner 765	Spray: 15-25% Thinner 765
Specific gravity ±0.05:1 Lt= Kg. 1.400(A) 0.970(B)	Viscosity Ford Cup Ø 4 at 20°C.:120-150"
Solids content A+B:62±2	Touch dry: 2 hours (at 20°C.)
Recoat time: 12-24 hours (at 20°C.)	Th.Coverage: 8-9 m2/Lt for 50 dry microns
Code:5G-5GA-5GB (A), 8ZAM9 (B)	Pack size A+B: Lt 0,750 – Lt 3 – 27Kg

EPOFOND AM/9 H.B. (OSMO-NO')

High-build epoxy primer with anti-osmosis properties

High-build epoxy satin coating for all types of surfaces. The advantage to build up a thickness of 100-150 dry microns per coat allows sensible reduction of labour costs. Overcoatable with chlorinated rubber, epoxy or polyurethane coatings for high quality long lasting anticorrosive coating systems. Excellent as anti-osmosis pre-treatment on fibreglass boats. Provides outstanding chemical resistance in the marine environment, both in atmosphere or immersion conditions.

Product: Two-component epoxy primer	Colour: Light grey
Pot life: 6-8 hours at 20°C.	Mixing Ratio A+B: 9 parts Sol.A + 1 Sol.B by vol.
Brush, Roller: 10-15% Thinner 765	Spray: 15-20% Thinner 765
Specific gravity ±0.05:1 Lt= Kg 1.435(A) 0.970(B)	Viscosity Ford Cup Ø 4 at 20°C.:Thixotropic
Solids content A+B: 90±2	Touch dry: 2-3 hours (at 20°C.)
Recoat time: 12-24 hours (at 20°C.)	Th.Coverage: 4-5 m2/Lt at 150 dry microns
Code:5G3972 (A), 8ZAM90 (B)	Pack size A+B: Lt 0,750 - 3 – 27 Kg

TWO COMPONENT PRIMERS AND UNDERCOATS

AMTAR 44

Two component epoxy tar primer

High solids epoxy coating modified with special bituminous material. It can be applied at 100-120 microns per coat performing a black, tough gloss film with good adhesion to the substrate.Resistant to complete immersion. to sea and fresh water, crude oil, basic and acid solutions. Suggested as a primer for the protection of boat bottoms and structures immersed in the water.

Product: Two-component bituminous coating	Colour: Black
Mixing ratio A+B: 9 parts Sol.A + 1 di Sol.B by volume	Pot life: 6-8 hours at 20°C.
Brush ,Roller: 5-15% Thinner 765	Spray: 15-30% Thinner 765
Specific gravity ±0.05:1 Lt= Kg. 1.800(A) 0.910(B)	Viscosity Ford Cup Ø 4 at 20°C.:Thixotropic
Solids content:80±2	Touch dry: 4-6 hours at 20°C.
Recoat time: 6-12 hours (do not exceed 16 hrs) at 20°C.	Th.Coverage: 7 m2/Lt for 100 dry microns
Code:3X (A) 8ZEPUV (B)	Pack size A+B: Lt. 3 – Kg 27,5

EPOZINC 2C

Two component epoxy zinc rich primer

Two-pack epoxy-coating formulated with high content of metal zinc. Used as a protective primer for sandblasted metal structures immersed in the water or exposed to weather. Also used as a primer for cold galvanizing. Apply EPOZINC 2C within 6 hours from sandblasting.

Product: Two-component zinc-rich paint	Colour: Grey
Mixing ratio A+B: 85 parts Sol.A + 15 Sol.B by vol.	-Pot life: 4-6 hours at 20°C.
-Brush,Roller(touch ups): 10-15% Thinner 765	-Spray: 25-35% Thinner 765
Specific gravity ±0.05:1 Lt= Kg. 3,250(A) 0,940(B)	Viscosity Ford Cup Ø 4 at 20°C.:60-80"
Solids content A+B:85±2	Dust dry: 30 minutes at 20°C.
Recoat time: 12 hours at 20°C.	Th.Coverage: 13 m2/Lt for 40 dry microns
Code: 5J0000 (A), 8ZEPEZ (B)	Pack size A+B: Lt. 2 – Kg 31,6

EPOSEALER

Waterproofing, anti-osmosis two component primer

Two-component epoxy coating performing excellent adhesion, waterproofing and mechanical characteristics such as flexibility and long term resistance. It may even glue surfaces which are not perfectly dry. Used for anti-osmosis treatment in fibreglass boat bottom. EPOSEALER 97 can be applied both on an appearently sound gelcoat or after that the faulty gelcoat has been removed completely. Also applied as anticorrosive primer for metal (cast iron and light alloys parts etc.). It is also used for gluing purposes (e.g. wood to wood, wood to fibreglass etc.). Used also for restoring old wooden boats, EPOSEALER 97 is absorbed by the grains in the wood conferring adequate waterproofing and mechanical resistance; for repairing purposes when used in combination with fibre sheets etc.

Product: Waterproof anti-osmosis primer	Colour: Straw clear
Mixing ratio A+B: 2 parts Sol.A + 1 of Sol.B by volume	Pot life: 2-3 hours at 20°C.
Brish (stiff hairs type): 5% Thinner 765	Dilute 40% when used as a keying coat for wood
Specific gravity ±0.05:1 Lt= Kg. 0.980 (A) 0.980(B)	Viscosity Ford Cup Ø 4 at 20°C.:Thixotropic
Solids content:	Touch dry: 4-6 hours at 20°C.
Recoat time: 18-24 hours at 20°C.	Th.Coverage: 5 m2/Lt at 100 dry microns
Code:94SEA (A), 94SEB (B)	Pack size A+B: Lt. 1,5 - 6

EPOFOND WB/90 NAUTICA

Two component water based epoxy primer

Water-based epoxy paint for high performance application on steel, wood, fibreglass and concrete surfaces. Provides anticorrosive protection on steel and outstanding charactertics on other substartes for typical applications in the industry, building and anticorrosion fields. Recommended for various critical applications for its water-based characteristics, e.g. for the painting and waterproofing of internal parts of boats. (Overcoatable with EPOFOND WB-40 FINISH).

Product: Water-based epoxy basecoat	Colour: Cod.:5G5113 (A), 8Z5115 (B)
Pot life: 4 hours at 20°C.	Mixing ratio A+B: 100 parts (A) + 22 (B) by volume
Brush,Roller,Spray: Ready for use or max.5-10% water	Viscosity Ford Cup Ø 4 at 20°C.:
Specific gravity ±0.05:1 Lt= Kg 1.470(A) 1.070(B)	Solids content A+B: 66±2 (A) 42±2 (B)
Touch dry: 1-2 hours (at 20°C.)	Recoat time: 8-16 hours (at 20°C.)
Th.Coverage: 3-4 m2/Lt at 50 dry microns	

FILLERS

POLISTUK

Two pack polyester filler

POLISTUK is widely used thanks to its easy application characteristics and general purpose use which allow applications both for high thickess and for light surface levelling. Provides good adhesion and good sandpapering characterictics. It can be applied direct onto steel, cast iron, fibreglass and hard plastic material. The application of a suitable primer is recommended in case of other surfaces such as aluminium, brass or zinc.

Product: Two-component polyester filler
Mixing ratio A+B: 97 parts Sol.A + 3 Sol.B by volume
Spatula: Ready for use
Specific gravity A+B:1 Lt= Kg. 1.750±0.05
Solids content A+B: 98,6±1
Sandable: after 60 minutes approx. (at 20°C.)
Th.Coverage: 2 m2/Lt for 500 dry microns

Colour: Off white - Code:94PLST
Pot life: 6-12 minutes at 20°C.
Tool cleaning: Thinner 765
Viscosity Ford Cup Ø 4 at 20°C.:Thixotropic
Touch dry: 30 minutes approx. (at 20°C.)
Recoat time: 3-4 hours (at 20°C.)
Pack size A+B: Lt 0,200 – Code: 94PLST

SINTOFILLER

Synthetic surfacing filler

Alkyd based one component filler providing good adhesion, good filling power and good sandpapering characteristics. Used on wood, metals (previously treated with suitable primer). Recommended for light surface levelling and to smooth and make even any irregular surface. It can be overcoated with any type of synthetic paint suitable for wood and metals. SINTOFILLER is widely used for surface levelling of boats in one component coating systems and also in the wood industry and in the do-it-yourself field to fill up holes, small craters and any surface irregularity. SINTOFILLER makes all surfaces perfectly smooth and even before painting

Product. One component synthetic filler
Spatula: Ready for use
Specific gravity:1 Lt= Kg. 1.900±0.05
Solids content: 84±1
Sandable: after 24 hours (at 20°C.)
Th.Coverage: 5 m2/Lt at 120 dry microns

Colour: White -Code:94STFI
Tool cleaning: Thinner 107
Viscosity Ford Cup Ø 4 at 20C.: Thixotropic
Touch dry: 1 hour approx. (at 20°C.)
Recoat time: 24 hours (at 20°C.)
Pack size: Lt 0,5 – 2,5

EPOXY LIGHT FILLER

Two component light weight epoxy filler

Two-component light epoxy filler for high thickness surface levelling on steel, aluminium and light alloy boats and on concrete surfaces. This filler is very flexible and can be applied in a single coat. Its low specific gravity formulation allows to limit the product load onto the coated substrate. Widely used in the boatyard industry.

Product: Two-component epoxy ligh weight filler
Mixing ratio A+B: 1 part Sol.A + 1 Sol.B by volume
Spatula: Ready for use
Specific gravity±0.05 :1 Lt= Kg. 0.50(A) 0.50 (B)
Solids content A+B:100
Carteggiabilità: dopo 24 ore (a 20°C.)
Th.Coverage: 2 m2/Lt for 500 dry microns

Colour A+B: Grey. Code:7F4027/8Z4028
Pot life: 1 hour at 20°C.
Tool cleaning: Thinner 765
Viscosity Ford Cup 4 at 20 Ø C.:Thixotropic
Touch dry: 3-4 hours (at 20°C.)
Recoat time: after 24-48 hours (at 20°C.)
Pack size A+B: Lt 1 – 5 – 36 (Min 10 cans)

PLAMUR FINISHER

Two component epoxy filler for surface levelling

Two-component epoxy filler for high thickness levelling on small and large surfaces of boats. Used in two-component coating systems.

Product: Two component epoxy surfacing filler
Mixing ratio A+B: 1 parts Sol.A + 1 Sol.B by volume
Spatula: Ready for use
Specific gravity ±0.05:1 Lt= Kg. 1,300 (A) 1,550(B)
Solids content A+B:100±1
Sandable: after 18-24 hours (at 20°C.)
Th.Coverage: 2 m2/Lt at 500 dry microns

Colour: Grey. Code.:7F4706/8Z4707
Pot life: 1 hour at 20°C.
Tool cleaning: Thinner 765
Viscosity Ford Cup Ø 4 at 20°C.:Thixotropic
Touch dry: 6-8 hours (at 20°C.)
Recoat time: after 18-24 hours (at 20°C.)
Pack size A+B: Lt 1 - 5

STAR TEAK LINE

STAR TEAK SEALER

Protective oil for teak wood

Solvent based protective teak oil sealer specifically formulated for the treatment and maintenance of teak and other precious woods, providing suitable protection from the sun and from weather exposure in marine environment. It is widely used on boat decks made of teak or similar woods. S.T. SEALER is part of the Star Teak Line, also including S.Teak Brightener and S.T. Cleaner.

Product: Protective oil for teak wood	Colour: Trasparent. Code:6D4892
Brush: Ready for use, or small addition of Thinner 107	Specific gravity:1 Lt= Kg. 0.850±0.05
Viscosity Ford Cup Ø 8 at 20°C.:18"	Solids content: 15,5±5
Dust dry: 1-2 hours at 20°C.	Recoat time: after 1-2 hours at 20°C.
Th.Coverage: 9-13 m2/Lt depending on absorption	Pack size: Lt. 1

STAR TEAK CLEANER

Teak cleaner

Alkaline based concentrated detergent solution for the cleaning of teak decks of boats and for other untreated surfaces onboard. Removes the ingrained dirt, restoring the original wood colour. STAR TEAK CLEANER is part of the Star Teak Line, also including Star Teak Brightener and Star Teak Sealer.

Product: Detergent cleaner for teak	Colour: Strwa yellow -Code:94STARTEAK0
Brush: Dilute with water	Peso Specific gravity:1 Lt= Kg. 1.067±0.05
Dilution: 1 part Cleaner with 3 or more parts of water	Pack size: Lt. 1

STAR TEAK BRIGHTENER

Teak brightener

Bleaching solution for the restoration of teak decks blackened by oxidation or exposure to the sun, renewing its original shade. STAR TEAK BRIGHTENER can grant best results for the restoration of the natural teak colour. STAR TEAK BRIGHTENER is part of the Star Teak Line, also including Star Teak Sealer and Star Teak Cleaner.

Product: Teak brightener	Colour: Straw yellow -Code:94STARTEKB
Pennello: Ready for use	Specific gravity:1 Lt= Kg. 1.050±0.05
pH:1 Biodegradability: > 90%	Pack size: Lt. 1

PAINT REMOVERS

SVERNIGRAF

Solvent-based paint remover

Removes effectively old paints from steel, wood, aluminium and galvanized sheet iron. After application of product it is advised to rinse well the treated surface with fresh water and let it dry before recoating. Not recommended on fibreglass.

Product: Solvent based paint remover	Colour: Jelly mat
Application: By brush	Dilution: Ready for use
Specific gravity:1 Lt= Kg. 1.285±0.05	
Drying: 1-2 hours	Th.Coverage: 2-3 m2/Lt
Code:7K-2000	Pack size: 0,750 - 4 Lt

STRIPCARENA

Water-thinnable, antifouling paints remover

Special remover based on non-toxic compounds which can remove old antifoulings from fibreglass bottoms without impairing the jelcoat or any fibreglass reinforced polyester material. STRIPCARENA is available in 0,75 and 5 Liters packaging.

Product: Antifouling paint removers	Colour: Turquoise
Application: By brush	Dilution: Ready for use
Specific gravity:1 Lt= Kg. 1.020±0.05	
Drying: 1-2 ore	Th.Coverage: approx. 2 m2/Lt
Code:94STRS	Pack size: 0,750 - 5 Lt

OTHER PRODUCTS

IDRODROP

Anti-condensation, water-based paint

Water-diluted, anti-condensation product of low conducibility, particularly suitable to withstand mould growth due to condensation originated by external-internal temperature changes. Suitable for all substrates provides thermo-insulating characteristics (applied at 1000 microns) and sound-deadener properties (applied at 2000 microns); recommended for interior of yachts where all such features may be required.

Product: Water-based acrylic paint	Colour: White. Code:1C-0000
Brush, Roller: 0-15% with water (high thickness)	Spray: 20-30% with water (nozzle size Ø 2)
Specific gravity:1 Lt= Kg. 0.900±0.05	
Drying time:4-6 hours (low thickness >1000 microns)	Drying time:24 hrs (high thickness < 1000 micr.)
Th.Coverage: 0,7 m2/Lt at 500 dry microns per coat	Pack size: Lt. 4 - 14

PERLINE ANTISKID

Antiskid glass beads

Antiskid beads floating in the paint film in which they are added to give a hard wearing non-abrasive surface. ANTISKID beads can be added to any type of paint, one or two-component type, clear or coloured. They can be applied also by sieving them over the freshly applied film of varnish.

Prodcut: Antiskid glass beads	Colour: Clear. Cod.:7L-0000
Addition: 20-30% by weight	Pack size: Kg. 1 – Kg 0,250

SPACE TOP LINE ADDITIVES

Space Top Line additives have been formulated to help the application of SPACE TOP ENAMEL and SPACE CLEAR UV VARNISH in particular application and weather conditions, by overstepping those inconveniences that can usually be encountered in certain unfavourable circumstances, such as humidity, high temperature, etc. In consideration of the particularity of these additives we however recommend that a technical advise should always be seeked to our Technical Service before their use of these products. (Telephone: 035-513373 Fax: 035-513211 email: aemmecolori@tiscalinet.it).

SPACE*FAST*- Drying-accelerating additive

Special additive recommended when particularly severe weather conditions are present at time of application such as low temperatures, etc. SPACE FAST is added to the product in the percentage of 1% on the total mixture A+B. Available in 0,250 Lt.

SPACE *BP* – Anti-bubble additive

Special additive used to overcome the problem of bubbles and small crater which could be encountered in severe weather conditions. SPACE BP is added to the product in the percentage of 0,5 - 1% max. on the total mixture A+B. Available in 0,250 Lt.

SPACE *HP* – Anti-moisture additive

Anti-moisture additive recommended in particular conditions of humidity. SPACE BP is added to the product in the percentage of 1 - 5% max. on the total mixture A+B. Available in 0,500 Lt.

SPACE *SP* – Anti-silicone additive

Anti-silicone additive used for the cleaning of the substrate with the purpose of removing any trace of silicon that could affect the coating process. It must be applied with a wet cloth; it is ready for use but could be furtherly diluted with polyurethane or nitrocellulose solvent up to 5 times. Available in 1 Lt.

REDILFAST – Acelerating additive/thinner

Special additive/thinner used to acelerate drying of one-component synthetic products or aliphatic two-component polyurethane products. It is used in the percentage of 20% as a replacement of the usual recommended thinner.

THINNERS FOR ONE COMPONENT PAINTS

THINNER 107

(Code 8B-0000)

Thinner for synthetic,alkyd, glycerophtalic and polyurethane one-component paints

Specific gravity Kg./Lt.: 0,800 ± 0.05 Pack size: LT 25 – 5 – 1 – 0,5

FLOWING THINNER 109

(Code 8E-3964)

Retardant thinner for synthetic and polyurethane one-component paints.

Specific gravity Kg./Lt.: 0,850 ± 0.05 Pack size: LT 5 – 1

THINNER 900

(Code 8M-0000)

Synthetic thinner for spray application of synthetic and polyurethane one-component products.

Specific gravity Kg./Lt.: 0,890 ± 0.05 Pack size: LT 25 – 5 – 1

THINNER 700

(Code 8S-0000)

Thinner for chlorinated rubber based or fast-drying synthetic one-component paints.

Specific gravity Kg./Lt.: 0,890 ± 0.05 Pack size: LT 25 – 5

THINNER 400

(Code 8S-B000)

Thinner for brush application of antifouling paints and chlorinated rubber based one-component products.

Specific gravity Kg./Lt.: 0,890 ± 0.05 Pack size: LT 25 – 5 – 1 – 0,5

THINNER 600

(Code 8R-0000)

Thinner for one-component vynil paints.

Specific gravity Kg./Lt.: 0,850 ± 0.05 Pack size: LT 5 – 1

THINNERS FOR TWO COMPONENT PAINTS

THINNER 203

(Code 8E-0000)

Thinner for synthetic, alkyd, glycerophtalic, polyacrylic and polyurethane two-component based paints.

Specific gravity Kg./Lt.: 0,918 ± 0.05 Pack size: LT 25 – 5 – 1 – 0,5

FLOWING THINNER 205

(Code 8O-0000)

Retardant thinner for polyurethane and polyacrylic two-component paints.

Specific gravity Kg./Lt.: 0,995 ± 0.05 Pack size: LT 25 – 5 – 1 – 0,5

THINNER 765

(Code 8D-0000)

Thinner for two-component epoxy paints.

Specific gravity Kg./Lt.: 0,877 ± 0.05 Pack size: LT 25 – 5 –1

THINNER 201

(Code 8E-4719)

Thinner for two-component polyurethane enamel and varnish SPACE TOP & SPACE CLEAR UV.

Specific gravity Kg./Lt.: 0,850 ± 0.05 Pack size: LT 1.

Thinners included in the Skipper's marine range are specifically formulated and balanced for use with Skipper's marine paints. All Skipper's products must be diluted necessarily and exclusively with Skipper's Thinners recommended on the directions of use on each can or specified in the relevant product data sheets. The use of other thinners not specified in our technical information may affect the final result of our products. The Skipper's thinners are exclusively obtained with high quality solvent blends

USEFUL PAINTING TIPS

The best way to guarantee a professional finish and take full advantage of all the products featured is proportional to the time and care dedicated to the preparation of the surface to be coated.

A careful and scrupulous surface preparation of the substrate to be coated followed by the application of skipper's products will enable you to achieve the best result for your boat, both from an aesthetic and practical point of view, as well as in terms of a long lasting finish. At the risk of being repetitive we would remind you of the basic procedures essential for a good result

Apply in a dust free environment to avoid a pitted or dulled finish. Do not apply in the bright sunshine because all paints, especially topcoats, could wrinkle, bubble or flow poorly due to accelerated solvent evaporation causing the top layer to cure quickly while leaving the undercoat soft.

Do not paint when raining or when the temperature is lower than 5°C, or when the relative humidity is higher than 80% as it may slow the drying time causing sagging problems or flatten the gloss due to condensation caused by high humidity.

In particular, the anticorrosive paints should not be applied when raining or misty because they would suffer a substantial loss of anticorrosion power. Two component paints, epoxy or polyurethane based, need temperature above 10°C to provide optimum performance.

The use of our thinners and the specific thinning ratio should be in accordance with our instructions. Do not add anything else which would affect the characteristics of the paint or thinners of other brands. Always allow the recommended recoat time between coats relating to prevailing temperature.

Stir thoroughly before application to remove any pigmnent sedimentation and provide an even mixture (especially for anticorrosive paints). Cans must be kept tightly closed when not in use. All equipment should be cleaned with suitable thinner.

Allow 15 minutes waiting period after mixing two-component products (A+B) before starting application and use the mixture within the specified Pot Life (after which the product's composition is altered and not suitable for further use). Clean the equipment immediately after use with strong solvents (e.g. nitro-based thinner).

All surfaces to be coated should be thoroughly prepared, cleaned and degreased. A clean surface is a necessary requirement in order to obtain the desired adhesion, protection and durability. Sandpapering between coats is recommended to provide good adhesion between the different coats of paint and for the entire coating system.

WOOD
SURFACE PREPARATION

TOPSIDES AND SUPER-STRUCTURE TREATMENT

NEW SUBSTRATE

Wood should be clean, dry and free from traces of oil and grease. Sand with fine abrasive paper (#180) in order to provide a rough pattern that could allow suitable keying for the coating system. Thoroughly remove dust and all sanding residuals by wirebrush and vacuum cleaning. Clean the surface with a cloth soaked with Thinner 203. Allow to dry before starting the paint application. Follow the recommended coating system.

PREVIOUSLY COATED SUBSTRATE

In good condition. If the paint is in good condition and it only needs a topcoat because it is dull, dirty or slightly powdering but with the underneath coatings still well fixed to the substrate (with no cracks or bubble), proceed with thoroughly cleaning and degreasing followed by suitable sanding with medium-fine abrasive paper (#180-240). Thoroughly remove dust and all sanding residuals before starting the paint application. Apply 1 to 3 coats of topcoat compatible with pre-existing paint.

In poor condition. If the old paint is in poor condition with cracking or flaking paint, it is then necessary to completely remove the old paint back to bare wood by scraping or by using coarse grain abrasive paper (#80-100) or by using a suitable paint remover (Svernigraf or Stripcarena). Then proceed with the surface preparation as already described in NEW SUBSTRATES and follow up with the suggested coating system for wood.

BOTTOM TREATMENT

NEW SUBSTRATE

Please refer to what has been already described above in NEW SUBSTRATE for TOPSIDES AND SUPER-STRUCTURE.

PREVIOUSLY COATED SUBSTRATE

In good condition. If the bottom is in sound condition it is generally enough to remove any powdering parts of the old antifouling paint by scraping and apply 2 coats of new antifouling compatible with the pre-existing one. If the type of old antifouling is not known it is recommended to apply 2-3 coats of Solver Primer intermediate undercoat before applying the new antifouling.

In poor condition. If the old paint is in poor condition with cracked or flaking paint it is necessary to remove this completely back to bare wood by either scraping or using a suitable paint remover (Svernigraf o Stripcarena). Then proceed with surface preparation as already described in NEW SUBSTRATE and follow up with the suggested coating system.

Note: Surface uneveness, cavities or holes near the screws can be filled with Polistuk filler.

MAINTENANCE OF TEAK WOOD

Skipper's product range for wood also includes the STAR TEAK LINE with three products specifically formulated for tropical woods like teak, mahogany or iroko; such types of wood cannot usually be coated with varnishes and do require special maintenance products to withstand the impairing action of ageing due to exposure to sun and to keep their original natural appearence.
Star Teak Line consists of 3 different products of practical and effective use. Star Teak Cleaner: formulated to remove traces of salt, oil stains and grease fom teak surface. Star Teak Brightner: used to brighten the colour of wood and remove any blackish or greyish shades caused by ageing due to exposure to the sun. Star Teak Sealer: Recommended for the protection and maintenance of teak and other exotic woods; sinks deeply into wood fibres enhancing its natural woodgrains.

APPLICATION HINTS:

STAR TEAK CLEANER

TEAK WOOD. Wet the wood surface with fresh water and apply STAR TEAK CLEANER as recommended. evenly all over the surface, diluted with 3 or more parts of water. Let it stand for few seconds, then brush vigorously the surface and finally rinse with plenty of fresh water. (Do not use metal wirebrushes since their particles could stain wood by oxidation). Note. In case after the cleaning procedure it should be necessary to brighten the colour of wood or remove any grey or blackish shade caused by ageing, then use STAR TEAK BRIGHTENER.

STAR TEAK BRIGHTENER

TEAK WOOD. Wet the surface with water and apply STAR TEAK CLEANER. Apply STAR TEAK BRIGHTENER evenly on the wet surface by brush. Let stand for a few minutes. Brush off the surface using a nylon wirebrush to increase the detergent and brightening action of the product. Rinse with plenty of fresh water and let dry. Repeat application if necessary. Do not apply under hot sun.

STAR TEAK SEALER

NEW WOOD**.** The surface should be clean, dry and sandpapered. Remove dust. Apply a first coat of STAR TEAK SEALER by brush or by a soft pad evenly all over the surface and let dry for 24 hours. In the caase of particular dry wood, repeat application few times allowing 1-2 hours between applications.
OLD WOOD. Wet the wood surface with fresh water and apply STAR TEAK CLEANER evenly all over the surface and let it stand for 5-10 minutes. Any trace of grease or dirt should be removed using a nylon brush. Rinse with plenty of fresh water. In case it would be necessary to brighten the shade of wood or any blackish shade caused by the natural ageing of wood, then apply on the wet SURFACE STAR TEAK BRIGHTENER by brush. Use a nylon brush to brush off the surface, rinse with plenty of water and let dry for 24 hours. In case of difficult stains repeat the application with Star Teak Brightener. Apply STAR TEAK SEALER by brush or by a soft pad and let dry for 24 hours. In the case of particular dry wood, repeat application few times allowing 1-2 hours between applications. When hot temperatures are present it can be necessary to repeat the application specially on those areas where ther wood is more worn out or dull.

WOOD

INDICATIVE COATING SYSTEMS FOR BARE SURFACES

ONE COMPONENT COATING SYSTEMS FOR ENAMEL FINISH

TOPSIDES (Sides and Upperworks) Ref.010

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Cromominio	15-25%	107	15-30%	107	24	7-9	40-50
2	Sintofiller (*)	/	/	/	/	24	5	120
3	Sintofast	Touch ups	700	30-40%	900	24	10-12	40-50
4	Sintofiller (*)	/	/	/	/	24	5	120
5-6	Sintofast or	Touch ups	700	30-40%	900	24	10-12	40-50
	Sottofon.7977	10-20%	107	20-30%	900	18-24	9-10	40-50
7-8	Skipper en.	10-20%	107 / 109	10-25%	900	24	11-13	40-50

(*) if required only

BOTTOM Ref.020

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Cromominio	15-25%	107	15-30%	107	24	7-9	40-50
2-3-4	Solver Primer	10-25%	700	15-30%	700	6-12	4-6	60-70
5-6	Long Life or	3-5%	400	5-8%	400	6-12	5-8	60-90
	S.P.2000 (+)	3-5%	400	5-8%	400	12	10-11	50-60

(+) Alternative antifoulings: Standard, Serenissima, Aluflight (see relevant product information)

TWO COMPONENT COATING SYSTEMS FOR ENAMEL FINISH

TOPSIDES (Sides and Upperworks) Ref.030

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Eposealer	5%	765	5-10%	765	18-24	5	100
2	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
3	E.L.Filler (*)	/	/	/	/	24	2	500
4	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
5	Polifond	15-30%	205	25-35%	203	12-24	14	35-40
6-7	Acriglass or	15-25%	205	20-35%	203	24	10	40
	Space Top or	20-30%	201	20-35%	201	18-24	13	40
	Whitext	5-10%	205	5-15%	203	24	5-6	100

(*) if required only

BOTTOM Ref.040

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Eposealer	5%	765	5-10%	765	18-24	5	100
2	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
3	E.L.Filler (*)	/	/	/	/	24	2	500
4	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
5	Solver Primer	10-25%	700	15-30%	700	6-12	4-6	60-70
6-7	Long Life or	3-5%	400	5-8%	400	6-12	5-8	60-90
	S.P.2000 (+)	3-5%	400	5-8%	400	12	10-11	50-60

(*) if required only (+) Alternative antifoulings: Standard, Serenissima, Aluflight (see relevant product information)

Note: For surface preparation methods and topcoat refreshing please refer to the previous pages.

Note: The information is given to the best of our knowledge but since the conditions of use of our products are beyond our control, no warranty is given or to be implied in respect of such information. We are, at all times, willing to study customer's specific requirements involving our products in order to enable their most effective use. Dilution rates and drying times are to be considered only indicative, based on a temperature of 20°C (68°F), and may be subject to changes according to prevailing temperature, in presence of particular weather conditions or due to application procedures that may be effective at time of application.

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WOOD

INDICATIVE COATING SYSTEMS FOR BARE SURFACES

ONE COMPONENT CLEAR FINISH

TOPSIDES (Sides and Upperworks) Ref.050

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Poliglass	50-60%	205	50-60%	203	8-10	12-15	20
2	Poliglass	20-30%	205	20-30%	203	8-10	12-15	20
3-6	Skipper UV or	10-15%	107 / 109	10-20%	900	24	12-13	40
	Starwind UV	10-15%	107 / 109	10-20%	900	24-48	12-13	40

Alternative matt finish: (3-6) Skipper Opaca, see relevant product information
Note: Poliglass is a 2-component varnish

TWO COMPONENT CLEAR FINISH

BOTTOM Ref.060

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Poliglass	50-60%	205	50-60%	203	8-10	12-15	20
2	Poliglass	20-30%	205	20-30%	203	8-10	12-15	20
3-4	Acriglass UV	10-15%	205	20-30%	203	24	10-12	40
	or Verilux	5-10%	205	10-20%	203	16-24	10	50
5-6	Acriglass UV	10-15%	205	20-30%	203	24	10-12	40
	or Space Clear	10-15%	201	10-20%	201	6-8	12	35

Alternative matt or satin finish: (5-6) Polimat or Polisatin, see relevant product information

Note: For surface preparation methods and topcoat refreshing please refer to the previous pages.

Note: The information is given to the best of our knowledge but since the conditions of use of our products are beyond our control, no warranty is given or to be implied in respect of such information. We are, at all times, willing to study customer's specific requirements involving our products in order to enable their most effective use. Dilution rates and drying times are to be considered only indicative, based on a temperature of 20°C (68°F), and may be subject to changes according to prevailing temperature, in presence of particular weather conditions or due to application procedures that may be effective at time of application.

FIBREGLASS

SURFACE PREPARATION

TOPSIDES AND SUPERSTRUCTURE TREATMENT

NEW SUBSTRATES

All fibreglass or plastic made boats should be thoroughly degreased with a suitable detergent and cleaned with a cloth soaked with a synthetic type thinner (e.g.Thinner 107). Then proceed with a ligh sanding with medium-fine abrasive paper to provide a better keying pattern for the coating system.

PREVIOUSLY COATED SURFACES

In good condition. If the old paint is in good condition and it only needs a topcoat because it is dull, dirty or slightly powdering but with the underneath coatings still well fixed to the substrate (with no cracks or bubble), proceed with thoroughly cleaning and degreasing followed by suitable sanding with medium-fine abrasive paper (#180-240). Thoroughly remove dust and all sanding residuals before starting the paint application. Apply 1 to 3 coats of topcoat compatible with pre-existing paints.

In poor condition. If the old paint is in poor condition of maintenance with cracking or flaking paint, it is then necessary to completely remove the old paint with a suitable paint remover (Stripcarena), by scraping or by wet and dry sanding. Then proceed with surface preparation as described above for “NEW SUBSTRATES” and follow with the suggested coating system for fibreglass.

BOTTOM TREATMENT

NEW SUBSTRATES

Please refer to what has been already described above in NEW SUBSTRATE for Topsides abd Superstructures.

PREVIOUSLY COATED SURFACES

In good condition. If the bottom is in good condition it is generally enough to remove any powdering parts of the old antifouling with fine abrasive paper and apply 2 coats of new antifouling compatible with the pre-existing one.
If the type of the old antifouling is not known it is recommended to apply 2-3 coats of Solver primer intermediate undercoat before applying the new antifouling.

In poor condition. If the old paint is in a poor condition with cracked or flaking paint it is necessary to remove this completely back to bare steel by scraping or by a suitable paint remover (Stripcarena). Then proceed with surface preparation as already described in NEW SUBSTRATES and follow up with the suggested coating system.

ANTI-OSMOSIS TREATMENT

The osmosis problem. The problem of osmosis appears with the presence of bubbles caused by moisture infiltration under the gelcoat layer. Depending on its capacity it may be necessary in some cases to remove the gelcoat layer completely; alternatively if the problem is confined to some areas of the surface only, it is possible to carry out a waterproofing treatment with the application of 2-3 coats of Eposealer. Eposealer is a two pack dense solvent-free epoxy product performing an insulating waterproofing barrier able to effectively withstand the formation of osmosis.

CURING AND PREVENTION SYSTEMS:

FIBREGLASS AFFECTED BY OSMOSIS / CURING SYSTEM. Surface preparation. Remove all bubbles and swollen parts from the surface by light sanding or mechanical disking extending this to near surrounding areas. Take care to remove old paint residuals and rinse the surface with fresh water. Let dry for 1-2 months.
Waterproofing with EPOSEALER: after a suitable lapse of time when the surface is dry and free from condensation, apply a first coat of Eposealer without dilution, using a stiff haired type of brush, taking care to particularly coat the areas where the problem appears to be. Apply at 120-200 wet microns. Let dry for 24 hours and wet sand. Then apply a second coat and if necessary also a third one, allowing the required waiting period between coats.

NEW FIBREGLASS / ANTI-OSMOSI PREVENTION SYSTEM. The application of EPOFOND AM-9 H.B., two component epoxy anti-osmosis primer, onto the fibreglass surface of a new boat enables to effectively prevent the problem of osmosis. In order to grant the best possible protection it is recommended that the jelcoat substrate be well degreased and sanded with medium grain abrasive paper. When the substrate preparation has been completed, apply 2-3 coats of EPOFOND AM-9 H.B. anti-osmosi coating to build up a total thickness of approx. 150-200 dry microns. (For new boats it is however that one month waiting period be waited before starting painting application of the prevention system).
EPOFOND AM-9 H.B. anti-osmosis coating can also be applied as a primer or intercoat system in bottom coating system without sandpapering. If overcoated with two-component coatings within 30 days the product performs suitable adhesion over all types of surfaces. In case of overcoating with one-component products, including antifouling paints, the recommended recoat time to be allowed between coats is 6-8 hours for temperatures above 20°C or 12-24 hours when temperatures are between 10 and 20°C.

EPOSEALER 97 ON WOOD. Diluted up to 30-40% of Thinner 765, EPOSEALER can be satisfactorily applied as a sealing coat onto dry, clean and sanded wood surfaces, providing a perfect surface waterproofing. It can also be overcoated by a clear varnish without impairing the transparency ofthe clear finish.

FIBREGLASS

INDICATIVE COATING SYSTEMS FOR BARE SURFACES

ONE COMPONENT COATING SYSTEMS

TOPSIDES (Sides and Upperworks) Ref.070

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Unifiber	15-25%	107	15-30%	107	24	7-9	40-50
2-3	Sintofast or	10-20%	700	15-30%	900	24	10-12	40-50
	Sottofon. 7977	10-20%	107	20-30%	900	18-24	9-10	40-50
4-5	Skipper en.	10-20%	107 / 109	10-20%	900	24	11/13	40-50

BOTTOM Ref.080

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Unifiber	15-25%	107	15-30%	107	24	7-9	40-50
2	Solver Primer	10-25%	700	15-30%	700	6-12	4-6	60-70
3-4	Long Life or	3-5%	400	5-8%	400	6-12	5-8	60-90
	S.P.2000 (+)	3-5%	400	5-8%	400	12	10-11	50-60

(+) Alternative antifoulings: Standard, Serenissima, Aluflight (see product information)

TWO COMPONENT COATING SYSTEMS

TOPSIDES (Sides and Upperworks) Ref.090

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Polifiber	5%	765	5-10%	765	18-24	5	100
2	E.L.Filler (*)	/	/	/	/	24	2	500
3	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
4-5	Acriglass or	15-25%	205	20-35%	203	24	10	40
	Space Top or	20-30%	201	20-35%	201	18-24	13	40
	Whitext	5-10%	205	5-15%	203	24	5-6	100

(*) if required only

BOTTOM Ref.100

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Polifiber	5%	765	5-10%	765	18-24	5	100
2	Solver Primer	10-25%	700	15-30%	700	6-12	4-6	60-70
3-4	Long Life or	3-5%	400	5-8%	400	6-12	5-8	60-90
	S.P.2000 (+)	3-5%	400	5-8%	400	12	10-11	50-60

(+) Alternative antifoulings: Standard, Serenissima, Aluflight (see product information

Note: For surface preparation methods and topcoat refreshing please refer to the previous pages.

Note: The information is given to the best of our knowledge but since the conditions of use of our products are beyond our control, no warranty is given or to be implied in respect of such information. We are, at all times, willing to study customer's specific requirements involving our products in order to enable their most effective use. Dilution rates and drying times are to be considered only indicative, based on a temperature of 20°C (68°F), and may be subject to changes according to prevailing temperature, in presence of particular weather conditions or due to application procedures that may be effective at time of application.

STEEL
SURFACE PREPARATION

TOPSIDES AND SUPERSTRUCTURE TREATMENT

NEW SUBSTRATES

Surfaces to be coated should be free from rust, corrosion and traces of oils. The best method of surface preparation is to carry out adequate sandblasting in accordance to SA 2,5 standard. If this is not possible it will be necessary to prepare the surface by wirebrushing, scraping or with a sander taking care to remove any trace of rust from the substrate. Traces of oils, grease and dust can generally be removed by solvent degreasing. A thorough preparation of the surface of steel is essential as it will substantially affect the end of result. Then follow with the required coating system.

PREVIOUSLY COATED SURFACES

In good condition. If the old paint is in good condition and it only needs a topcoat because it is dull, dirty or slightly powdering but with the underneath coatings still well fixed to the substrate (with no cracks or bubble), proceed with thoroughly cleaning and degreasing followed by suitable sanding with medium-fine abrasive paper (#180-240). Thoroughly remove dust and all sanding residuals before starting the paint application. Apply 1 to 3 coats of topcoat compatible with pre-existing paints.

In poor condition. If the old paint is in poor condition of maintenance with cracking or flaking paint, it is then necessary to completely remove the old paint back to bare steel with Svernigraf remover. Then proceed with surface preparation as described above for “NEW SUBSTRATES” and follow with the suggested coating system.

BOTTOM TREATMENT

NEW SUBSTRATES

Please refer to what has been already described above in NEW SUBSTRATE for Topsides abd Superstructures.

PREVIOUSLY COATED SURFACES

In good condition. If the bottom is in good condition it is generally enough to remove any powdering parts of the old antifouling with fine abrasive paper and apply 2-3 coats of new antifouling compatible with the pre-existing one.

If the type of the old antifouling is not known it is recommended to apply 2-3 coats of Solver primer intermediate undercoat before applying the new antifouling.

In poor condition. If the old paint is in a poor condition with cracked or flaking paint it is necessary to remove this completely back to bare steel by scraping or by Svernigraf paint remover. Then proceed with surface preparation as already described in NEW SUBSTRATES and follow up with the suggested coating system.

STEEL

INDICATIVE COATING SYSTEMS FOR BARE SURFACES

ONE COMPONENT COATING SYSTEMS

TOPSIDES (Sides and Upperworks) Ref.110

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1-2	Cromominio	15-25%	107	15-30%	107	24	7-9	40-50
3-4	Solver Primer	10-25%	700	15-30%	700	6-12	4-6	60-70
5-6	Sintofast or	10-20%	700	15-30%	900	24	10-12	40-50
	Sottofon.7977	10-20%	107	20-30%	900	18-24	9-10	40-50
7-8	Skipper en.	10-20%	107 / 109	10-20%	900	24	11-13	40-50

BOTTOM Ref.120

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1-2	Cromominio	15-25%	107	15-30%	107	24	7-9	40-50
3-4	Solver Primer	10-25%	700	15-30%	700	6-12	4-6	60-70
5-6	Long Life or	3-5%	400	5-8%	400	6-12	5-8	60-90
	S.P.2000 (+)	3-5%	400	5-8%	400	12	10-11	50-60

(+) Alternative antifoulings: Standard, Serenissima, Aluflight (see product information)

TWO COMPONENT COATING SYSTEMS

TOPSIDES (Sides and Upperworks) Ref.130

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Epozinc 2C(°)	10-15%	765	25-35%	765	12-18	13	40
2	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
3	E.L.Filler (*)	/	/	/	/	24	2	500
4	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
5-6	Polifond	15-30%	205	25-35%	203	12-24	14	35-40
7-8	Acriglass or	15-25%	205	20-35%	203	24	10	40
	Space Top or	20-30%	201	20-35%	201	18-24	13	40
	Whitext	5-10%	205 / 203	5-15%	203	24	5-6	100

(*) if required only (°) Apply Epozinc 2C within 6 hours after sandblasting

BOTTOM Ref.140

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1-2	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
3-4	Solver Primer	10-25%	700	15-30%	700	6-12	4-6	60-70
5-6	Long Life or	3-5%	400	5-8%	400	6-12	5-8	60-90
	S.P.2000 (+)	3-5%	400	5-8%	400	12	10-11	50-60

(+) Alternative antifoulings: Standard, Serenissima, Aluflight (see product information

Note: For surface preparation methods and topcoat refreshing please refer to the previous pages.

Note: The information is given to the best of our knowledge but since the conditions of use of our products are beyond our control, no warranty is given or to be implied in respect of such information. We are, at all times, willing to study customer's specific requirements involving our products in order to enable their most effective use. Dilution rates and drying times are to be considered only indicative, based on a temperature of 20°C (68°F), and may be subject to changes according to prevailing temperature, in presence of particular weather conditions or due to application procedures that may be effective at time of application.

ALUMINIUM AND LIGHT ALLOYS
SURFACE PREPARATION

TOPSIDE AND SUPERSTRUCTURE TREATMENT

NEW SUBSTRATES

Light sandblasting or mechanical sanding of aluminium and light alloy surfaces is necessary in order to remove aluminium oxides from the surface. Degrease the surface with a neutral type of solvent before starting paint application. Follow then the recommended coating system.

PREVIOUSLY COATED SURFACES

In good condition. If the old painting system is in good condition and it only needs a topcoat because it is dull, dirty or slightly powdering but with the underneath coatings still well fixed to the substrate (with no cracks or bubbles), proceed with thoroughly cleaning and degreasing followed by suitable sanding with medium-fine abrasive paper (180-240). Thoroughly remove dust and all sanding residuals before starting the paint application. Apply 1 to 3 coats of finishing topcoat compatible with pre-existing paints.

In poor condition. If the old painting system is in poor condition with cracking or flaking paint, it is then necessary to completely remove the old paint back to bare aluminium by scraping, sanding with coarse abrasive paper (80-100) or by using Svernigraf paint remover. Then proceed with the surface preparation as already described for NEW SUBSTRATES and follow with the coating system for aluminium and light alloys.

BOTTOM PREPARATION

NEW SUBSTRATES

Please refer to what has been already described in NEW SUBSTRATES for Topsides and Superstructures.

PREVIUSLY COATED SUBSTRATES

In good condition. If the bottom is in good condition it is generally enough to remove any powdering parts of the old antifouling with fine abrasive paper and apply 2 coats of new antifouling compatible with the old one.
If the type of the old antifouling is not known it is recommended to apply 2-3 coats of Solver intermediate primer before applying the new antifouling.

In poor condition. If the old paint is in poor condition it is necessary to remove this completely by scraping back to the bare surface or by using Svernigraf remover. Then proceed with surface preparation as already described in NEW SUBSTRATES and follow with the suggested coating system.

Note: In accordance to our recommended bottom coating system for aluminium and light alloys we advise the use of SELF POLISHING 2000 or ALUFLIGHT antifoulings, as specifically compatible with aluminium boats.

ALUMINIUM AND LIGHT ALLLOYS

INDICATIVE COATING SYSTEMS FOR BARE SURFACES

ONE COMPONENT COATING SYSTEMS

TOPSIDES (Sides and Upperworks) Ref.150

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
2-3	Sintofast or	10-20%	700	15-30%	900	24	10-12	40-50
	Sottofon. 7977	10-20%	107	20-30%	900	18-24	9-10	40-50
4-5	Skipper en.	10-20%	107 / 109	10-20%	900	24	9-13	40-50

BOTTOM Ref.160

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1-2	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
3-4	Solver Primer	10-25%	700	15-30%	700	6-12	4-6	60-70
5-6-7	S.P.2000 or	3-5%	400	5-8%	400	12	10-11	50-60
	Aluflight	3-5%	400	5-8%	400	6-12	6-7	50-60

TWO COMPONENT COATING SYSTEMS

TOPSIDES (Sides and Upperworks) Ref.170

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
2	E.L.Filler (*)	/	/	/	/	24	2	500
3	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
4-5	Polifond	15-30%	205	25-35%	203	12-24	14	35-40
6-7	Acriglass or	15-25%	205	20-35%	203	24	10	40
	Space Top or	20-30%	201	20-35%	201	18-24	13	40
	Whitext	5-10%	205 / 203	5-15%	203	24	5-6	100

(*) if required only

BOTTOM Ref.180

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting Product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1-2	Epofond AM9	10-15%	765	15-25%	765	12-24	8-9	50
3-4	Solver Primer	10-25%	700	15-30%	700	6-12	4-6	60-70
5-6-7	S.P.2000 or	3-5%	400	5-8%	400	12	10-11	50-60
	Aluflight	3-5%	400	5-8%	400	6-12	6-7	50-60

(+) Alternative antifoulings: Standard, Serenissima, Aluflight (see product information

Note: For surface preparation methods and topcoat refreshing please refer to the previous pages.

PROPELLERS, FLAPS, STERN-DRIVES

INDICATIVE COATING SYSTEM

ONE-COMPONENTCOATING SYSTEM FOR PROPELLERS Ref.190

New substrate – Adequate surface preparation to be carried out before paint application.

Coat nr.	Painting product	Brush/Roller		Spray/Airless		Recoat time hrs at 20°C	Coverage m2/LT	Thickness dry µ
		Dilution	Thinner	Dilution	Thinner			
1	Eliprimer	5-10%	765	5-10%	765	12	10	20
2-3	Elifax	/	/	5%	400	24	8	50

Note: For surface preparation methods and topcoat refreshing please refer to the previous pages.

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SKIPPER (UK) LTD
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SAFETY RULES

Before starting the application please carefully read all the safety precautions advised on the label.

A safety data sheet and a product data sheet for each product is available on request.

RISK SYMBOLS OF PAINTING PRODUCTS

Attention should be paid to the symbols of risk indicated on paint products related labels

 F	 Xi / Xn	 T	 C

F	The product is **Higly Flammable**. Keep away from sources of ignition.
Xn	The product is classified as **Harmful** by inhalation, in contact with skin and if swallowed.
Xi	The product is classified as **Irritant** in contact with the skin and with the eyes.
T	The product is classified as**Toxic** by inhalation, in contact with skin and if swallowed.
C	The product can be **Corrosive** and may cause sensitization or burns in contact with skin.

GENERAL PRECAUTIONS

Avoid contact with eyes and skin. Avoid ingestion and inhalation. Wear suitable protective clothing and eye/face protection. Apply only in well ventilated areas. If necessary wear suitable respiratory equipment. In case of contact with skin or eyes get medical help immediately and show the container or label and product data sheet if available. Keep the products away from sources of ignition. In case of fire use powder or foam type extinguishers. Do not discharge into a drain or into the environment; dispose to an authorized waste collection centre. Store in a cool well ventilated place. Keep out of reach of children. For further information please contact our Health and Safety department: Tel. ++39-035-513373 on working days Fax ++39-035-513211. **UK Office Tel: 01634 815522 Fax: 01634 815533.**

GENERAL NOTE

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