

# InterProtect HS Primers



## PRODUCT DESCRIPTION

InterProtect HS is a versatile high solids, two part epoxy, that can be used above and below the waterline as a primer for all substrates. As part of a gelcoat blister repair or prevention system InterProtect HS uses the Micro-Plate Technology to substantially reduce water migration through the epoxy to the hull surface which could lead to blistering. Micro-Plates also provide protection from corrosion for metals. InterProtect HS is a high solids epoxy which means fewer coats to reach the desired film thickness. InterProtect HS also meets the most restrictive V.O.C. regulations and helps reduce solvent emissions into the environment.

## PRODUCT INFORMATION

<b>Color</b>	YPA420-Gray
<b>Finish</b>	Satin
<b>Specific Gravity</b>	1.22
<b>Volume Solids</b>	66%
<b>Mix Ratio</b>	2:1 by volume (as supplied)
<b>Converter/Curing Agent</b>	YPA422
<b>Typical Shelf Life</b>	2 yrs
<b>VOC (As Supplied)</b>	289 g/t
<b>Unit Size</b>	1 US Gallon

## DRYING/OVERCOATING INFORMATION

	Drying			
	41°F (5°C)	59°F (15°C)	77°F (25°C)	95°F (35°C)
Touch Dry [ISO]	7 hrs	4.5 hrs	3 hrs	1.75 hrs
Hard Dry [ISO]	16 hrs	8 hrs	6 hrs	3 hrs
Pot Life	2.5 hrs	2 hrs	1 hrs	50 mins

Overcoated By	Overcoating Substrate Temperature							
	41°F (5°C)		59°F (15°C)		77°F (25°C)		95°F (35°C)	
	Min	Max	Min	Max	Min	Max	Min	Max
Baltoplate	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Bottomkote® Pro	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Epoxy Primekote	17 hrs	14 days	12 hrs	14 days	6 hrs	14 days	3 hrs	14 days
Fiberglass Bottomkote® ACT	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Fiberglass Bottomkote® Aqua	16 hrs	24 hrs	7 hrs	20 hrs	5 hrs	16 hrs	3 hrs	7 hrs
Fiberglass Bottomkote® NT	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Interfill 830	48 hrs	2 mths	36 hrs	2 mths	24 hrs	2 mths	24 hrs	2 mths
Interfill 833	48 hrs	2 mths	36 hrs	2 mths	24 hrs	2 mths	24 hrs	2 mths
Interior Primer 860	17 hrs	14 days	12 hrs	14 days	6 hrs	14 days	3 hrs	14 days
Interprotect 2000E	17 hrs	14 days	12 hrs	14 days	6 hrs	14 days	3 hrs	14 days
Interprotect 2000VOC	17 hrs	14 days	12 hrs	14 days	6 hrs	14 days	3 hrs	14 days
InterProtect HS Immersed Areas	7 hrs	21 days	5 hrs	14 days	3 hrs	14 days	2 hrs	14 days
InterProtect HS Non Immersed Areas	7 hrs	3 mths	5 hrs	3 mths	3 hrs	3 mths	2 hrs	3 mths
Micron 66	16 hrs	24 hrs	7 hrs	20 hrs	5 hrs	16 hrs	3 hrs	7 hrs
Micron 99	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Micron CF	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Micron CSC	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Micron CSC HS	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Micron Extra	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Pacifica Plus	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Trilux 33	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Ultra	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
VC Offshore	7 hrs	20 hrs	4 hrs	7 hrs	3 hrs	7 hrs	1 hrs	4 hrs
Watertite	48 hrs	2 mths	36 hrs	2 mths	24 hrs	2 mths	24 hrs	2 mths

**Note:** If maximum overcoating time with antifouling is exceeded, sand with 80-220 grade (grit) paper (coarser grade is unsuitable for above water areas), or apply an additional coat of InterProtect HS

Please refer to your local representative or visit [www.yachtpaint.com](http://www.yachtpaint.com) for further information.

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**APPLICATION AND USE**

**Preparation**

**PREVIOUSLY PAINTED SURFACES WITH ANTIFOULINGS** Completely remove all old antifouling paint. For fiberglass - use Interlux Interstrip 299E, or sand or media blast. For steel or aluminium - sand, media blast or grind to near white metal following preparation instructions for metal below.

**PREVIOUSLY PAINTED SURFACES WITH TWO-PART EPOXY PRIMER** Remove all contamination with Fiberglass Solvent Wash 202 or Fiberglass Surface Prep YMA601V. Follow directions on the product label. Fill any surface imperfections with Interlux Watertite or Interfill 830 following the product label instructions. After the surface has been properly prepared, sand the two-part epoxy primer with 80 grit sandpaper. The two-part primer does not need to be removed, it only needs to be sanded to add a mechanical etch for InterProtect HS to adhere to. Remove the sanding residue by wiping with Interlux Fiberglass Solvent Wash using the two-rag method.

**BARE FIBERGLASS** It is very important that bare fiberglass be properly prepared to prevent delamination of InterProtect. Remove mold release wax using one of the following Interlux products, Fiberglass Surface Prep YMA601V or Fiberglass Solvent Wash 202 following the product label instructions. Fill any surface imperfections with Interlux Watertite or Interfill 830 following the product label instructions. After the surface has been properly prepared, sand the fiberglass with 80 grit sandpaper. Remove sanding residue with Fiberglass Solvent Wash 202.

**FIBERGLASS WITH BLISTERS** Completely remove all old antifouling paint with Interlux Interstrip 299E, sanding or media blast. Sand with 80 grade (grit) paper. Remove the sanding residue by wiping with Interlux Fiberglass Solvent Wash using the two-rag method. Open all blisters and remove any bad gelcoat and laminate. Open all blistered areas either by physical grinding or by sandblasting or peeling. On severely blistered boats the entire gelcoat below the waterline may need to be removed. Complete removal of the gelcoat should be done only after the advice of a competent Marine Surveyor. If the gelcoat has been peeled off, lightly sandblast or sand with 60-80 grit sandpaper to remove any soft spots in the laminate, and to provide more surface area to aid in drying the hull. Wash the entire underwater surface with fresh water (preferably hot water) in order to remove glycol and other water-soluble contaminants. Repeat periodically during the initial phase of the drying process. Allow the hull to dry as long as is necessary (2-3 months average) to ensure all water has left the hull. Moisture in the hull will cause additional blistering. Accurately measure Epiglass Epoxy Resin and Hardener, mix well. Pour immediately into a wide flat tray to prevent premature curing. Mix only as much as you can use in 20 minutes. Apply Epoxy Resin to all areas where the gelcoat has been removed. Wait for a minimum of four hours and scrub with a stiff bristle brush, using soap and water, to remove amine blush. Rinse with fresh water. Sand with 80 grade (grit) paper and remove sanding residue with Fiberglass Solvent Wash 202. If it has not been overcoated within 24 hours, rewash with fresh water. Fill any surface imperfections with Interlux Watertite or Interfill 830 following the product label instructions. Sand entire surface thoroughly with 80 grade (grit) paper. Remove sanding residue. Wipe the surface using Interlux Fiberglass Solvent Wash before beginning application of InterProtect HS.

**BARE STEEL/LEAD** It is imperative to remove all grease, oil, dirt or other foreign contaminants by wiping down the surface with Interlux Fiberglass Solvent Wash 202 using the 'Two-Rag' method. Grit blast or disc grind surface to a Sa 2.5 clean surface profile. For grit blast use medium mesh silica sand or other nonmetallic blast media, for disc grind use a 24-36 grit abrasive disc. Remove all blasting or grinding residue by brushing the surface with a stiff brush along with using clean (oil and water free) compressed air. Alternatively the surface can be vacuumed.

**BARE ALUMINUM** It is imperative to remove all grease, oil, dirt or other foreign contaminants by wiping down the surface with Interlux Fiberglass Solvent Wash 202 using the 'Two-Rag' method. Sand the aluminum with 40-60 grit sandpaper to a uniform 2-3 mils (50-75 microns) clean surface profile. After sanding remove all residue by using a clean (oil and water contamination-free) air line and by sweeping with a clean brush or broom.

**Method**

**Fiberglass blister prevention or repair** - Apply enough InterProtect HS to reach Wet film Thickness (WFT) of 10 mils, Dry Film Thickness (DFT) of 7 mils.

**For application to metals for corrosion protection** - Within one hour of grit blasting, disc grinding or sanding, (make sure during the hour the surface stays clean and dry with no condensation or dew) apply the first coat of InterProtect HS directly to the bare metal. To protect against metal corrosion a 7 mil DFT barrier of InterProtect HS is required.

Apply enough InterProtect HS to reach Wet Film Thickness (WFT) of 10 mils, Dry Film Thickness (DFT) of 7 mils for below water, or a DFT of 5 mils and WFT of 8 mils for above water areas. This may take 3 coats by brush/roller, depending on the type of roller used, and 1 coat by spray, but the amount of paint is more important than the number of coats.

When using InterProtect HS above the waterline with a topside finish, InterProtect HS needs to be overcoated by 1-2 coats of Epoxy Primekote. See Epoxy Primekote product datasheet for details.

**Ultimate No Sand System** InterProtect HS provides a hard, durable coating with long lasting adhesive performance and eliminates the need for sanding before applying Interlux antifoulings. Once the surface has been prepared following the preparation instructions for bare fiberglass, apply one coat of InterProtect HS following the application instructions above.

**Hints**

**Mixing** Ensure the correct volume mix ratio is used. Mix only as much as you can use in the stated pot life.

**Thinner** Y2333N, Y2316N

**Cleaner** Y202/Y2333N/Y2316N

**Thinning** 10% maximum by volume

**Airless Spray** Tip size: 0.621 mm Pressure: 3000 psi.

Not suitable for application by pressure pot - Contact Interlux Technical Service for more information.

**Brush** Solvent resistant standard brush

**Roller** Solvent resistant 1/4" or 3/8" nap rollers

A 1/4" roller will give a smoother finish however more coats may be necessary. A 3/8" roller will give a more stippled finish, texture may be visible and it may require fewer coats. Overall, a total of 10 mils WFT is required for an underwater barrier system.

## Compatibility/Substrates

There are 2 separate overcoating intervals to be followed for all the antifoulings in the range, as well as above waterline use. Please refer to the overcoating chart for details.

Product cannot be overcoated at thumb print tacky interval.

InterProtect HS can not be used under VC17m Extra.

## Number of Coats

**Barrier protection below waterline** - As required to reach 10 mils WFT

**Barrier protection above waterline** - As required to reach 8 mils WFT

**Ultimate No Sand System** - 1 by spray, 1 by brush/roller

## Coverage

**Barrier protection below waterline** - 151 ft<sup>2</sup>/gal yields 7 mils DFT at 10 mils WFT

**Barrier protection above waterline** - 211 ft<sup>2</sup>/gal yields 5 mils DFT at 8 mils WFT

**Ultimate No Sand System** - 447 ft<sup>2</sup>/gal yields 2.4 mils DFT at 3.6 mils WFT

## Application Methods

Airless Spray, Brush, Roller

## TRANSPORTATION, STORAGE AND SAFETY INFORMATION

### Storage

InterProtect HS should be kept in securely closed containers during transport and storage. Exposure to air and extremes of temperature should be avoided. For the full shelf life of InterProtect HS to be realised ensure that between use the container is firmly closed and the temperature is between 5°C/41°F and 35°C/95°F. Keep out of direct sunlight.

### Safety

#### GENERAL:

Read the label safety section for Health and Safety Information, also available from our Technical Help Line.

Ensure users wear adequate protective clothing during mixing, application and clean up.

#### DISPOSAL:

Do not discard tins or pour paint into water courses, use the facilities provided. It is best to allow paints to harden before disposal.

Remainders of InterProtect HS cannot be disposed of through the municipal waste route or dumped without permit.

Disposal of remainders must be arranged for in consultation with the authorities.

## IMPORTANT NOTES

*The information given in this sheet is not intended to be exhaustive. Any person using the product without first making further written enquiries as to the suitability of the product for the intended purpose does so at their own risk and we can accept no responsibility for the performance of the product or for any loss or damage (other than death or personal injury resulting from negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.*