

Commercial Specification

Customer: Humphree

Vessel: Humphree

Location: Sweden

Date: 23-Oct-2008

Reference: 2008cf3

Contact:




IMPORTANT NOTES

1. Quantities and coverage stated in this Specification are estimates only and will vary according to a number of factors including wastage, surface profile, sanding, any structural modifications and actual film thickness applied. Stated quantities and coverage must, therefore, only be used as a guide.
2. In most cases application will be by spray. If applying by brush/roller additional coats will be needed to achieve the required dry film thickness.
3. Thinning of fillers and certain primers is not recommended. Please refer to Product data sheets for further details.
4. Safety: When using any type of paint in confined spaces proper ventilation is required. For more information, please refer to the relevant Material Safety Data Sheet (MSDS) available from your local International representative.
5. Any prices quoted are valid for three months only unless otherwise agreed in writing.
6. Specifications for M&R repaints/repairs are based on the best available estimate of hull condition. If the actual condition is materially different from that estimate an alternative system and/or surface preparation may be advisable. Please contact International for further information.
7. International may, at its discretion, provide free of charge technical support to customers, consisting of the provision of a technical representative who may periodically or on reasonable request visit the vessel and liaise with the customer concerning product requirements, application training and general advice concerning International products.
8. International accepts no liability whatsoever in connection with the provision of or failure to provide such free of charge technical support.
9. The yard/builder and the applicator should operate a painting quality control system including the recording of all application and climatic information. For further information on this subject please refer to your local International representative.
10. If the International representative is specifically requested to undertake an inspection, a summary report will be made available.
11. All products supplied and any technical support given are subject to Standard Terms and Conditions of Sale (available on request).



Unless otherwise agreed in writing, our standard Conditions of Sale shall apply to the supply of products or technical advice given by us or our affiliated companies.

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INTERNATIONAL PAINT ® GUARANTEE

International Paint gives the purchaser of its International® Products (Products) the following guarantee for a period of one (1) year from the date of purchase.

GUARANTEE PROVISIONS

If, within a year of their purchase, the Products show a defect as listed below, International Paint will pay for the re-application of the Products, being the reasonable costs of labour and materials by an agreed applicator up to a maximum cost of four times the invoice value of the Products.

International Paint is not responsible for any other costs (including costs for downtime, loss of use, insurance or financing costs, lost revenue, haul-out charges, transportation or delivery costs to the agreed applicator, living and per-diem expenses, storage costs, hangar or yard charges, crew costs or disassembly and reassembly costs.

RE-APPLICATION

Re-application of the Products under this guarantee shall be the sole obligation of International Paint. All claims for re-application shall be made in accordance with International Paints Instructions For Guarantee Claims as described below.

DEFECTS COVERED

This guarantee covers the following defects in the Products: gross loss of gloss, gross loss of colour retention, major adhesion failure, delamination, crazing, checking, blistering and cracking due solely to inherent defects in the Products.

International Paint is not responsible for normal maintenance or repair of the Products, nor for correction of ordinary wear and tear or for any claims made after a period of one (1) year from the date of original purchase of the Products.

LIMITATIONS AND EXCLUSIONS

- (a) This guarantee does not cover failure of the Products due to accident, misuse, neglect, abuse, faulty preparation or application, improper maintenance, premature placement in service, abnormal wear and tear, damage due to welding, electrical, electrolytic or cathodic deterioration, acid rain, pollution or other abnormal atmospheric conditions, the improper use of cleaners, solvents, paints or other chemicals, acts of terrorism, acts of God or other instances of force majeure or any other circumstances beyond the control of International Paint.
- (b) This guarantee does not cover defects which constitute 3% or less of the total area coated by the Products.
- (c) This guarantee does not cover cosmetic or other deficiencies caused by undesirable application conditions, application equipment or technique or use of products other than International® Products.
- (d) This guarantee does not cover blistering, delamination, cracking, crazing or paint film failure due to substrate flexing, movement, osmotic blistering or erosion.



INTERNATIONAL PAINT ® GUARANTEEcontd

- (e) This guarantee only applies to the Products applied in accordance with International Paints complete application system. International Paints Products are designed as an integrated coatings system; failures caused by the use of products not designed as part of such system are not covered by this warranty.
- (f) In honouring this warranty, International Paint reserves the sole right to select the time, place and personnel to re-apply the Products.
- (g) International Paints liability under this guarantee shall be in substitution for all other liability in connection with the Products provided that International Paint is responsible for personal injury or death arising from its own negligence. International Paint shall not be liable, whether in contract, tort or otherwise, for any defect, deterioration or failure of the Products or damages to any person, entity or property arising from the Products or for loss of goodwill, business or anticipated savings, loss of profits or use, any rectification costs or third party claims in connection with the Products or for any indirect or consequential losses.

This guarantee is subject to English law.

INSTRUCTIONS FOR CLAIMS UNDER THIS GUARANTEE:

- (a) All claims under this guarantee must be made by the original purchaser, in writing and supported by the final purchase receipt for the Products and within one (1) year from the date of the original purchase of Products. International Paint reserves the right to request further evidence to support the purchasers claim.
- (b) The original purchaser must deliver the item for re-application to an applicator which has been agreed with International Paint.

International Paint is a trade name of International Coatings Limited, Company number 63604, Registered Office, PO Box 10980, Oriel House, 16 Connaught Place, London W2 2ZB.



Main Schemes

| Area | Description | Scheme Ref | VOC kg | Area m ² | Price (Euro) |
|-----------------------------------|--|-------------|--------|---------------------|--------------|
| Underwater Hull - Gelcoat | High Performance Brush/Roller/Spray - GRP/FRP Underwater | SYG57.0eu-f | 0.0 | 0m ² | 0.00 |
| Underwater Hull - Aluminium | High Performance Brush/Roller/Spray - Aluminium Underwater | SYA24.1g-f | 0.0 | 0m ² | 0.00 |
| Underwater Hull - Stainless steel | High Performance Brush/Roller/Spray - Stainless steel | SYA24.1g-f | 0.0 | 0m ² | 0.00 |
| Total | | | | | 0.00 |



Underwater Hull -Gelcoat [0m²]

High Performance Brush/Roller/Spray - GRP/FRP Underwater
Surface Preparations

Remove any surface wax or mould release agent (parting agent) from the laminate or gelcoat with International Super Cleaner or Solvent Wash #202 in North America or other suitable solvent.

| Coat No. | Product | Sales Code | Coats | WFT µm | DFT µm | PSR (m²/lt) | Volume lt |
|----------|--------------|------------|-------|--------|--------|-------------|-----------|
| 1 | Interprotect | - | FC | 111 | 50 | 9.00 | 0.0 |
| 2 | Trilux 33 | - | FC | 100 | 45 | 10.00 | 0.0 |
| 3 | Trilux 33 | - | FC | 100 | 45 | 10.00 | 0.0 |
| 4 | Trilux 33 | - | FC | 100 | 45 | 10.00 | 0.0 |
| Total | | | | 411 | 185 | | |

[Scheme Notes](#)

*After cleaning; sand gelcoat with 180-grade paper
 For osmose protection 5 coats of primer must be applied.*

[Advisor Notes](#)

For further information see details on Product datasheets.



Underwater Hull - Aluminium [0m²]

High Performance Brush/Roller/Spray - Aluminium Underwater Surface Preparations

Low pressure grit blast using aluminium oxide or an equivalent abrasive (not copper slag) or power disc to a surface profile of 50-75 microns/2-3 mils (NB Power wire brushing is not permitted as it is ineffective and wires are often steel, leading to corrosion).

| Coat No. | Product | Sales Code | Coats | WFT µm | DFT µm | PSR (m ² /lt) | Volume lt |
|----------|------------------------------|------------|-------|--------|--------|--------------------------|-----------|
| 1 | Interprime 820 (thinned 15%) | - | FC | 159 | 65 | 6.31 | 0.0 |
| 2 | Interprotect | YPA403/A | FC | 111 | 50 | 9.00 | 0.0 |
| 3 | Interprotect | YPA403/A | FC | 111 | 50 | 9.00 | 0.0 |
| 4 | Interprotect | YPA403/A | FC | 111 | 50 | 9.00 | 0.0 |
| 5 | Interprotect | YPA403/A | FC | 111 | 50 | 9.00 | 0.0 |
| 6 | Interprotect | YPA403/A | FC | 111 | 50 | 9.00 | 0.0 |
| 7 | Trilux 33 | - | FC | 100 | 45 | 10.00 | 0.0 |
| 8 | Trilux 33 | - | FC | 100 | 45 | 10.00 | 0.0 |
| 9 | Trilux 33 | - | FC | 100 | 45 | 10.00 | 0.0 |
| Total | | | | 1,014 | 450 | | |

Scheme Notes

First coat of primer must be thinned 15% to ensure wet out.

Advisor Notes

Before any coating work is undertaken, carefully prepare the surface of the substrate in accordance with the details outlined in the appropriate Surface Preparation Guide and Product Datasheets. See Surface Preparation Guide on Aluminium.

First coat of primer should be thinned by 15% with appropriate thinner to ensure complete substrate wet out.

The primer surface can be directly profiled with Interfill 830 for up to 3 months following thorough cleaning. No sanding is required prior to overcoating within that time period. (See Product Datasheets for more details.)

FILLERS SHOULD ALWAYS BE SANDED PRIOR TO OVERCOATING WITH PRIMER.

If no filler is required apply the next coat of primer in accordance with the overcoating times on the product datasheet.

If Interprotect is Brush/Roller applied, the minimum overcoating interval, before antifouling applications, will be reduced. (Refer to Interprotect Datasheet.) N.B Additional coats will be required to maintain required dft.

If the overcoating times shown for primers and finishes are exceeded they should be abraded before overcoating as recommended in the product datasheets.


Additional paint thickness should be applied to areas of high wear e.g. chines, rudders and waterlines.

In many cases International antifoulings can provide extended service periods by increasing the dft applied to the vessel. Consult your local International Technical Representative for further advise.

Ensure adequate ventilation to ensure thorough drying of the product used in this specification.



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Underwater Hull - Stainless steel [0m²]

High Performance Brush/Roller/Spray - Stainless steel
Surface Preparations

Before any coating work has begun, carefully prepare the surface of the substrate in accordance with the details outlined in the Surface Preparation section of the Application Guide and Product Datasheets.

| Coat No. | Product | Sales Code | Coats | WFT µm | DFT µm | PSR (m ² /lt) | Volume lt |
|----------|------------------------------|------------|-------|--------|--------|--------------------------|-----------|
| 1 | Interprime 820 (thinned 15%) | - | FC | 159 | 65 | 6.31 | 0.0 |
| 2 | Interprotect | YPA403/A | FC | 111 | 50 | 9.00 | 0.0 |
| 3 | Interprotect | YPA403/A | FC | 111 | 50 | 9.00 | 0.0 |
| 4 | Trilux 33 | - | FC | 100 | 45 | 10.00 | 0.0 |
| 5 | Trilux 33 | - | FC | 100 | 45 | 10.00 | 0.0 |
| 6 | Trilux 33 | - | FC | 100 | 45 | 10.00 | 0.0 |
| Total | | | | 681 | 300 | | |

Scheme Notes

*Light blasting with non-ferrous abrasive is recommended before initial priming.
First coat of primer must be thinned 15% to ensure wet out.*

Advisor Notes

*Before any coating work is undertaken, carefully prepare the surface of the substrate in accordance with the details outlined in the appropriate Surface Preparation Guide and Product Datasheets.
See Surface Preparation Guide on Aluminium.*

Interprime 820 can be used as a holding primer on both steel and aluminium after suitable preparation. (See Product Datasheet.)

If undertaking initial priming, product must be thinned by 15% with appropriate thinner to ensure complete substrate wet out.

The primer surface can be directly profiled with Interfill 830 for up to 3 months following thorough cleaning. No sanding is required prior to overcoating within that time period. (See Product Datasheets for more details.)

FILLERS SHOULD ALWAYS BE SANDED PRIOR TO OVERCOATING WITH PRIMER.

If no filler is required apply the next coat of primer in accordance with the overcoating times on the product datasheet.

If Interprotect is Brush/Roller applied, the minimum overcoating interval, before antifouling applications, will be reduced. (Refer to Interprotect Datasheet.) N.B Additional coats will be required to maintain required dft.

If the overcoating times shown for primers and finishes are exceeded they should be abraded before overcoating as recommended in the product datasheets.

Additional paint thickness should be applied to areas of high wear e.g. chines, rudders and waterlines.

In many cases International antifouling can provide extended service periods by increasing the dft applied to the vessel. Consult your local International Technical Representative for further advise.

Ensure adequate ventilation to ensure thorough drying of the product used in this specification.



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| Product List | | | | | | |
|------------------------------|--------|------------|-------------------|--------------|-------------------|-------------------|
| Product | Colour | Sales Code | Volume Solids (%) | Volume (lt) | Price Per lt Euro | Total Price(Euro) |
| Interprime 820 (thinned 15%) | | | 41 | 0.0 | 0.00 | 0.00 |
| Interprotect | | | 45 | 0.0 | 0.00 | 0.00 |
| Interprotect | Grey | YPA403/A | 45 | 0.0 | 0.00 | 0.00 |
| Trilux 33 | | | 45 | 0.0 | 0.00 | 0.00 |
| Total | | | 176.0 | 0.0 | | 0.00 |




Coatings Diary

PROJECT _____ CLIENT _____ AREA _____
 PAINTER _____ DATE _____
 REFERENCE DOCUMENTS _____ JOB NUMBER _____

| SPECIFICATIONS REQUIRED | | D.F.T: | | S.P: | | | | | | | |
|-------------------------|-------------------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | SUBSTRATE | COAT 1 | COAT 2 | COAT 3 | COAT 4 | COAT 5 | COAT 6 | COAT 7 | COAT 8 | |
| CLIMATE DATA | Date / Time | | | | | | | | | | |
| | Conditions | | | | | | | | | | |
| | % RH | | | | | | | | | | |
| | Air Temperature | | | | | | | | | | |
| | Dew Point | | | | | | | | | | |
| | Surface Temperature | | | | | | | | | | |
| | Paint: YES / NO | | | | | | | | | | |
| SURFACE PREPARATION | Date / Time | | | | | | | | | | |
| | Cleanliness | | | | | | | | | | |
| | Profile / Sanding | | | | | | | | | | |
| PAINT APPLICATION | Date / Time | | | | | | | | | | |
| | Product | | | | | | | | | | |
| | Batch No. A | | | | | | | | | | |
| | Batch No. B | | | | | | | | | | |
| | Other Batch No. | | | | | | | | | | |
| | Thinning % | | | | | | | | | | |
| | Reducer | | | | | | | | | | |
| | Volume Litres / Gallons | | | | | | | | | | |
| Induction Time | | | | | | | | | | | |
| | Recoat Time Min/Max | | | | | | | | | | |
| | W.F.T | | | | | | | | | | |
| COATING INSPECTION | Date / Time | | | | | | | | | | |
| | D.F.T | Number | | | | | | | | | |
| | | Min | | | | | | | | | |
| | | Max | | | | | | | | | |
| | | Average | | | | | | | | | |
| | | Std Dev | | | | | | | | | |
| Average | | | | | | | | | | | |
| | Pass / Fail / Repair | | | | | | | | | | |



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