

Where legislation does not explicitly restrict or limit the use of lead containing coatings it is the responsibility of the client to inform International Paint in writing of their specific requirements

## Technical Specification

SIR WILFRID LAURIER

Canadian Coast Guard West Coast

Vancouver (BC), Canada

22-Jan-2018

CAKG1-388D-R26J/4

Keegan Gemmill

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March 2018 Alongside Refit

## Marine Coatings

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CAKG1-388D-R26J/4

22-Jan-2018

1

SIR WILFRID LAURIER

Main Schemes	
Area	Description
Foc'sle deck from frame 167 to the Bow - Repair	An Intershield 300HS abrasion resistant epoxy scheme directly overcoated with a polyurethane finish, Interthane 990.
Well deck outside of the wood plank areas only - Repair	An Intershield 300HS abrasion resistant epoxy scheme directly overcoated with a polyurethane finish, Interthane 990.
Ladder and Deck Grating Supports - Repair	An Intershield 300HS High Solids, abrasion resistant, aluminium pure epoxy primer with Interfine 5703 single pack acrylic modified Polysiloxane finish.
Wheelhouse Deck - Repair	An Intershield 300HS abrasion resistant epoxy scheme directly overcoated with a polyurethane finish, Interthane 990.
Boat Deck/Upper Deck - Repair	An Intershield 300HS High Solids, abrasion resistant, aluminium pure epoxy primer with Interfine 5703 single pack acrylic modified Polysiloxane finish.
Derrick and Crane - Repair	An Intershield 300HS abrasion resistant epoxy scheme directly overcoated with a polyurethane finish, Interthane 990.
Allied Davit Hydraulic System Frame/ Structure and Deck Areas- Repair	An Intershield 300HS abrasion resistant epoxy scheme directly overcoated with a polyurethane finish, Interthane 990.

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CAKG1-388D-R26J/4  
22-Jan-2018  
2  
SIR WILFRID LAURIER

## Foc'sle deck from frame 167 to the Bow - Repair

An Intershield 300HS abrasion resistant epoxy scheme directly overcoated with a polyurethane finish, Interthane 990.

### Surface Preparations

Remove all weld splatter, smooth weld seams and sharp edges. Fresh water wash to remove all dirt and contamination. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Spot abrasive blast to SSPC-SP6 or power tool clean to SSPC-SP15 the damaged/corroded areas

Remove all loosely adhering and flaking material and feather back all edges.

Apply the first coat of the specified paint system before there is a risk of loss of surface preparation and cleanliness standards.

Remove all dust and surface contamination. Ensure all surfaces are clean, dry and free of contamination prior to the application of each coat of the specified paint system.

Product	Sales Code	Colour	Coats	DFT (µm)	Volume Solids (%)	WFT (µm)	% Loss factor	PSR (m <sup>2</sup> /lt)	Thinner	VOC (g/lt)	Volume (lt)
Intershield 300HS	ENA380/ENA383	Bronze	TU	150	78	192	30	3.64	GTA220	206	0.0
Intershield 300HS	ENA381/ENA383	Aluminium	TU	150	78	192	30	3.64	GTA220	206	0.0
Intershield 300HS	ENA380/ENA383	Bronze	TU	150	78	192	30	3.64	GTA220	206	0.0
Interthane 990	PHZ625/PHA046	RAL7042 Traffic Grey	FC	75	57	132	30	5.32	GTA056, GTA713, GTA733	420	0.0
				525		708					0.0

A sharp, angular surface profile of 50-100 microns is required

Area as per owner

Colour as per owner

Aluminum oxide #16 non-skid compound to be seeded or sprinkled (270 grams per m2 or 1 lb per 18 sq.ft) over the third coat of Intershield 300HS while wet. Sweep off the excess when dry. Apply the Interthane 990

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CAKG1-388D-R26J/4  
22-Jan-2018  
3  
SIR WILFRID LAURIER

## Well deck outside of the wood plank areas only - Repair

An Intershield 300HS abrasion resistant epoxy scheme directly overcoated with a polyurethane finish, Interthane 990.

### Surface Preparations

Remove all weld splatter, smooth weld seams and sharp edges. Fresh water wash to remove all dirt and contamination. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Spot abrasive blast to SSPC-SP6 or power tool clean to SSPC-SP15 the damaged/corroded areas

Remove all loosely adhering and flaking material and feather back all edges.

Apply the first coat of the specified paint system before there is a risk of loss of surface preparation and cleanliness standards.

Remove all dust and surface contamination. Ensure all surfaces are clean, dry and free of contamination prior to the application of each coat of the specified paint system.

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Interthane 990	PHZ625/PHA046	RAL7042 Traffic Grey	FC	75	57	132	30	5.32	GTA056, GTA713, GTA733	420	0.0
				525		708					0.0

A sharp, angular surface profile of 50-100 microns is required

Area as per owner

Colour as per owner

Aluminum oxide #16 non-skid compound to be seeded or sprinkled (270 grams per m2 or 1 lb per 18 sq.ft) over the third coat of Intershield 300HS while wet. Sweep off the excess when dry. Apply the Interthane 990

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CAKG1-388D-R26J/4  
22-Jan-2018  
4  
SIR WILFRID LAURIER

## Ladder and Deck Grating Supports - Repair

An Intershield 300HS High Solids, abrasion resistant, aluminium pure epoxy primer with Interfine 5703 single pack acrylic modified Polysiloxane finish.

### Surface Preparations

Remove all weld splatter, smooth weld seams and sharp edges. Fresh water wash to remove all dirt and contamination. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Spot abrasive blast to SSPC-SP6 or power tool clean to SSPC-SP15 the damaged/corroded areas

Remove all loosely adhering and flaking material and feather back all edges.

Apply the first coat of the specified paint system before there is a risk of loss of surface preparation and cleanliness standards.

Remove all dust and surface contamination. Ensure all surfaces are clean, dry and free of contamination prior to the application of each coat of the specified paint system.

Product	Sales Code	Colour	Coats	DFT (µm)	Volume Solids (%)	WFT (µm)	% Loss factor	PSR (m²/lit)	Thinner	VOC (g/lit)	Volume (lit)
Intershield 300HS	ENA380/ENA383	Bronze	TU	150	78	192	30	3.64	GTA220	206	0.0
Intershield 300HS	ENA381/ENA383	Aluminium	TU	150	78	192	30	3.64	GTA220	206	0.0
Interfine 5703	SUB000	White	TU	50	60	83	30	8.40		334	0.0
Interfine 5703	SUB000	White	FC	50	60	83	30	8.40		334	0.0
				400		550					0.0

A sharp, angular surface profile of 50-75 microns is required

Area as per owner

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CAKG1-388D-R26J/4  
22-Jan-2018  
5  
SIR WILFRID LAURIER

## Wheelhouse Deck - Repair

An Intershield 300HS abrasion resistant epoxy scheme directly overcoated with a polyurethane finish, Interthane 990.

### Surface Preparations

Remove all weld splatter, smooth weld seams and sharp edges. Fresh water wash to remove all dirt and contamination. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Spot abrasive blast to SSPC-SP6 or power tool clean to SSPC-SP15 the damaged/corroded areas

Remove all loosely adhering and flaking material and feather back all edges.

Apply the first coat of the specified paint system before there is a risk of loss of surface preparation and cleanliness standards.

Remove all dust and surface contamination. Ensure all surfaces are clean, dry and free of contamination prior to the application of each coat of the specified paint system.

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Intershield 300HS	ENA380/ENA383	Bronze	TU	150	78	192	30	3.64	GTA220	206	0.0
Interthane 990	PHZ625/PHA046	RAL7042 Traffic Grey	FC	75	57	132	30	5.32	GTA056, GTA713, GTA733	420	0.0
				525		708					0.0

A sharp, angular surface profile of 50-100 microns is required

Area as per owner

Colour as per owner

Aluminum oxide #16 non-skid compound to be seeded or sprinkled (270 grams per m2 or 1 lb per 18 sq.ft) over the third coat of Intershield 300HS while wet. Sweep off the excess when dry. Apply the Interthane 990

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CAKG1-388D-R26J/4  
22-Jan-2018  
6  
SIR WILFRID LAURIER

## Boat Deck/Upper Deck - Repair

An Intershield 300HS High Solids, abrasion resistant, aluminium pure epoxy primer with Interfine 5703 single pack acrylic modified Polysiloxane finish.

### Surface Preparations

Remove all weld splatter, smooth weld seams and sharp edges. Fresh water wash to remove all dirt and contamination. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Spot abrasive blast to SSPC-SP6 or power tool clean to SSPC-SP15 the damaged/corroded areas

Remove all loosely adhering and flaking material and feather back all edges.

Apply the first coat of the specified paint system before there is a risk of loss of surface preparation and cleanliness standards.

Remove all dust and surface contamination. Ensure all surfaces are clean, dry and free of contamination prior to the application of each coat of the specified paint system.

Product	Sales Code	Colour	Coats	DFT (µm)	Volume Solids (%)	WFT (µm)	% Loss factor	PSR (m²/lit)	Thinner	VOC (g/lit)	Volume (lit)
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Intershield 300HS	ENA381/ENA383	Aluminium	TU	150	78	192	30	3.64	GTA220	206	0.0
Interfine 5703	SUB000	White	TU	50	60	83	30	8.40		334	0.0
Interfine 5703	SUB000	White	FC	50	60	83	30	8.40		334	0.0
				400		550					0.0

A sharp, angular surface profile of 50-75 microns is required

Area as per owner

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CAKG1-388D-R26J/4  
22-Jan-2018  
7  
SIR WILFRID LAURIER

## Derrick and Crane - Repair

An Intershield 300HS abrasion resistant epoxy scheme directly overcoated with a polyurethane finish, Interthane 990.

### Surface Preparations

Remove all weld splatter, smooth weld seams and sharp edges. Fresh water wash to remove all dirt and contamination. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Spot abrasive blast to SSPC-SP6 or power tool clean to SSPC-SP15 the damaged/corroded areas

Abrade intact surfaces to produce a mechanical key.

Remove all loosely adhering and flaking material and feather back all edges.

Apply the first coat of the specified paint system before there is a risk of loss of surface preparation and cleanliness standards.

Remove all dust and surface contamination. Ensure all surfaces are clean, dry and free of contamination prior to the application of each coat of the specified paint system.

Product	Sales Code	Colour	Coats	DFT (µm)	Volume Solids (%)	WFT (µm)	% Loss factor	PSR (m <sup>2</sup> /lt)	Thinner	VOC (g/lt)	Volume (lt)
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Intershield 300HS	ENA381/ENA383	Aluminium	TU	150	78	192	30	3.64	GTA220	206	0.0
Interthane 990	PHA100/PHA046	RAL Design 070 7040	TU	75	57	132	30	5.32	GTA056, GTA713, GTA733	420	0.0
Interthane 990	PHA100/PHA046	RAL Design 070 7040	FC	75	57	132	30	5.32	GTA056, GTA713, GTA733	420	0.0
				450		648					0.0

A sharp, angular surface profile of 50-75 microns is required

Area as per owner specification

Colour as per owner

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CAKG1-388D-R26J/4  
22-Jan-2018  
8  
SIR WILFRID LAURIER



## Allied Davit Hydraulic System Frame/Structure and Deck Areas- Repair

An Intershield 300HS abrasion resistant epoxy scheme directly overcoated with a polyurethane finish, Interthane 990.

#### Surface Preparations

Remove all weld splatter, smooth weld seams and sharp edges. Fresh water wash to remove all dirt and contamination. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Spot abrasive blast to SSPC-SP6 or power tool clean to SSPC-SP15 the damaged/corroded areas

Remove all loosely adhering and flaking material and feather back all edges.

Apply the first coat of the specified paint system before there is a risk of loss of surface preparation and cleanliness standards.

Remove all dust and surface contamination. Ensure all surfaces are clean, dry and free of contamination prior to the application of each coat of the specified paint system.

Product	Sales Code	Colour	Coats	DFT (µm)	Volume Solids (%)	WFT (µm)	% Loss factor	PSR (m <sup>2</sup> /lt)	Thinner	VOC (g/lt)	Volume (lt)
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Intershield 300HS	ENA381/ENA383	Aluminium	TU	150	78	192	30	3.64	GTA220	206	0.0
Intershield 300HS	ENA380/ENA383	Bronze	TU	150	78	192	30	3.64	GTA220	206	0.0
Interthane 990	PHZ625/PHA046	RAL7042 Traffic Grey	FC	75	57	132	30	5.32	GTA056, GTA713, GTA733	420	0.0
				525		708					0.0

A sharp, angular surface profile of 50-100 microns is required

Area as per owner

Colour as per owner

Apply non-skid on deck as per owner using the below instructions:

Aluminum oxide #16 non-skid compound to be seeded or sprinkled (270 grams per m2 or 1 lb per 18 sq.ft) over the third coat of Intershield 300HS while wet. Sweep off the excess when dry.

Apply the Interthane 990

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CAKG1-388D-R26J/4

22-Jan-2018

9

SIR WILFRID LAURIER

## Definitions:

## Application Notes

TU: Touch Up

SC: Stripe Coat

FC: Full Coat

Test for soluble salts/chlorides. Maximum permissible total soluble salt levels are 5 ug/cm<sup>2</sup> (5 micrograms per cm<sup>2</sup>) = 50 mg /m<sup>2</sup> (50 milligrams per m<sup>2</sup>).

All new steel should be wheel abraded to SSPC- SP10 with a sharp, angular surface profile of 50-75 microns and primed with Interplate 937, steel items that cannot be wheel abraded and primed with Interplate 937 due to configuration or type are to be prepared to SSPC-SP10 with a sharp, angular surface profile of 50-75 microns and primed with the specified primer found within the Interspec, if no reference is found please consult International Paint or Owner for guidance.

New Aluminum and Galvanized items please consult International Paint or Owner for guidance.

Sharp edges shall be treated to a rounded radius of minimum 2 mm, subjected to a three-pass grinding or treated with an equivalent process that produces an edge profile that results in a dry film thickness retention equivalent to or better than that of three pass grinding. Sharp edge means all edges except natural rounded/rolled edges of sections or profiled steel bars.

Application by brush and roller will likely require several coats to achieve the specified DFT and achieve full coverage and hiding

Care shall be taken when applying paint to the inside of angled members and other difficult areas to ensure that specified DFT is achieved

Secondary surface preparation after fabrication on Steel: Remove all weld splatter, smooth weld seams and sharp edges. Fresh water wash to remove all dirt and contamination. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application. Spot abrasive blast to SSPC-SP6 or power tool clean to SSPC-SP15 the damaged/corroded areas. Feather surrounding area to a sound edge. Remove all dust and surface contamination. Ensure all surfaces are clean, dry and free of contamination prior to the application of each coat of the specified paint system.

Secondary surface preparation after fabrication on Aluminum: Remove all weld splatter, smooth weld seams and sharp edges. Fresh water wash to remove all dirt and contamination. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application. Spot mechanically prepare damaged and corroded areas using an aluminium oxide abrasive disk (24-30 grit) to give a heavily scored surface profile of 50-75 microns. Feather surrounding area to a sound edge. Remove all dust and surface contamination. Ensure all surfaces are clean, dry and free of contamination prior to the application of each coat of the specified paint system.

Consult International Paint Representative and appropriate Application Guidelines

## CCG Colors Factors:

CCG Red: RAL 3000	Cream (Interior doors): 1 GP 12c color 108-113
White: RAL 9003	Beige / Buff: RAL Design 070 7040
Black: RAL 9004	Yellow: RAL 1003
	Deck Grey (Weather decks): RAL 7042
	Deck Grey (Interior decks): RAL7042
	Deck Red Brown: RAL 3011

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CAKG1-388D-R26J/4  
22-Jan-2018  
10  
SIR WILFRID LAURIER

## Terms and Conditions

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The information given in this report is not intended to be exhaustive and any person using any products for any purpose other than that specifically recommended in this report without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Any warranty, if given, or specific Terms & Conditions of Sale are contained in International Paints Terms and Conditions of Sale, a copy of which can be obtained on request. Whilst we endeavour to ensure that all advice we give about the product (whether in this report or otherwise) is correct we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of this product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever for howsoever arising for the performance of our products or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this report is liable to modification from time to time in the light of experience and our policy of continuous product development.

It is the user's responsibility to check that upto date product data sheets are obtained prior to using the products and that local environmental controls that may be in force are observed when using any of our products.

### Health & Safety

Products referred to in this report are intended for use only by professional applicators in industrial situations in accordance with the advice given on our Technical Datasheetst, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS).

All work involving the application and use of this product should be performed in compliance with all relevant national Health, Safety & Environment standards and regulations.

In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

If in doubt regarding the suitability of use of this product, consult International Paint for further advice.

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CAKG1-388D-R26J/4  
22-Jan-2018

11

SIR WILFRID LAURIER