

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

12-Sep-2017

CAKG1-388D-R26J/1

Keegan Gemmill

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2017 Winter Refit

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Main Schemes	
Area	Description
Foc'sle Deck and Well Deck - 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.
Exterior Deck on the Wheelhouse Deck - Repair	An Intershield 300HS abrasion resistant epoxy scheme directly overcoated with a polyurethane finish, Interthane 990.
Superstructure - Repair	An Intershield 300HS High Solids, abrasion resistant, aluminium pure epoxy primer with Interfine 5703 single pack acrylic modified Polysiloxane finish.
Port Hole Repair - Repair	An Intershield 300HS High Solids, abrasion resistant, aluminium pure epoxy primer with Interfine 5703 single pack acrylic modified Polysiloxane finish.
Hull From the 6.75m Waterline to the Boat Deck - Repair	An Intershield 300HS High Solids, abrasion resistant, aluminium pure epoxy primer with Interfine 5703 single pack acrylic modified Polysiloxane finish.

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Foc'sle Deck and Well 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 power tool clean to SSPC-SP15 the damaged/corroded areas

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

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	% Loss factor	WFT (µm)	DFT (µm)	PSR (m ² /lt)	Pot Life 5°C	Touch Dry 5°C	Hard Dry 5°C	Overcoating 5°C		Before Flooding 5°C	Thinners	Cleaners	Volume (lt)
											Min	Max				
Intershield 300HS	ENA380/ENA383	Bronze	TU	30	192	150	3.64	100mins	8hrs	14hrs	14hrs	3mths		GTA220	GTA220, GTA822	0.0
Intershield 300HS	ENA381/ENA383	Aluminium	TU	30	192	150	3.64	100mins	8hrs	14hrs	14hrs	3mths		GTA220	GTA220, GTA822	0.0
Intershield 300HS	ENA380/ENA383	Bronze	TU	30	192	150	3.64	100mins	8hrs	14hrs	14hrs	5days		GTA220	GTA220, GTA822	0.0
Interthane 990	PHZ625/PHA046	RAL7042 Traffic Grey	FC	30	132	75	5.32	12hrs	5hrs	24hrs	24hrs	ext.		GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	0.0
					709	525										0.0

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

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

Area as per owner specification

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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 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.

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	% Loss factor	WFT (µm)	DFT (µm)	PSR (m²/ltr)	Pot Life 5°C	Touch Dry 5°C	Hard Dry 5°C	Overcoating 5°C		Before Flooding 5°C	Thinners	Cleaners	Volume (lt)
											Min	Max				
Intershield 300HS	ENA380/ENA383	Bronze	TU	30	192	150	3.64	100mins	8hrs	14hrs	14hrs	3mths		GTA220	GTA220, GTA822	0.0
Intershield 300HS	ENA381/ENA383	Aluminium	TU	30	192	150	3.64	100mins	8hrs	14hrs				GTA220	GTA220, GTA822	0.0
Interfine 5703	SUB000	White	TU	30	83	50	8.40								GTA007	0.0
Interfine 5703	SUB000	White	FC	30	83	50	8.40								GTA007	0.0
					551	400										0.0

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

Area as per owner specification

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Exterior Deck on the 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 power tool clean to SSPC-SP15 the damaged/corroded areas

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

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	% Loss factor	WFT (µm)	DFT (µm)	PSR (m²/l)	Pot Life 5°C	Touch Dry 5°C	Hard Dry 5°C	Overcoating 5°C		Before Flooding 5°C	Thinners	Cleaners	Volume (lt)
											Min	Max				
Intershield 300HS	ENA380/ENA383	Bronze	TU	30	192	150	3.64	100mins	8hrs	14hrs	14hrs	3mths		GTA220	GTA220, GTA822	0.0
Intershield 300HS	ENA381/ENA383	Aluminium	TU	30	192	150	3.64	100mins	8hrs	14hrs	14hrs	3mths		GTA220	GTA220, GTA822	0.0
Intershield 300HS	ENA380/ENA383	Bronze	TU	30	192	150	3.64	100mins	8hrs	14hrs	14hrs	5days		GTA220	GTA220, GTA822	0.0
Interthane 990	PHZ625/PHA046	RAL7042 Traffic Grey	FC	30	132	75	5.32	12hrs	5hrs	24hrs	24hrs	ext.		GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	0.0
					709	525										0.0

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

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

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Superstructure - 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 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.

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	% Loss factor	WFT (µm)	DFT (µm)	PSR (m²/ltr)	Pot Life 5°C	Touch Dry 5°C	Hard Dry 5°C	Overcoating 5°C		Before Flooding 5°C	Thinners	Cleaners	Volume (lt)
											Min	Max				
Intershield 300HS	ENA380/ENA383	Bronze	TU	30	192	150	3.64	100mins	8hrs	14hrs	14hrs	3mths		GTA220	GTA220, GTA822	0.0
Intershield 300HS	ENA381/ENA383	Aluminium	TU	30	192	150	3.64	100mins	8hrs	14hrs				GTA220	GTA220, GTA822	0.0
Interfine 5703	SUB000	White	TU	30	83	50	8.40								GTA007	0.0
Interfine 5703	SUB000	White	TU	30	83	50	8.40								GTA007	0.0
					551	400										0.0

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

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Port Hole Repair Interior Areas - 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 power tool clean to SSPC-SP11 the damaged/corroded areas

Abrade intact surfaces to produce a mechanical key.

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

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	% Loss factor	WFT (µm)	DFT (µm)	PSR (m²/ltr)	Pot Life 5°C	Touch Dry 5°C	Hard Dry 5°C	Overcoating 5°C		Before Flooding 5°C	Thinners	Cleaners	Volume (lt)
											Min	Max				
Intershield 300HS	ENA380/ENA383	Bronze	TU	30	192	150	3.64	100mins	8hrs	14hrs	14hrs	3mths		GTA220	GTA220, GTA822	0.0
Intershield 300HS	ENA381/ENA383	Aluminium	TU	30	192	150	3.64	100mins	8hrs	14hrs				GTA220	GTA220, GTA822	0.0
Interfine 5703	SUA011	Buff	TU	30	83	50	8.40								GTA007	0.0
Interfine 5703	SUA011	Buff	TU	30	83	50	8.40								GTA007	0.0
					551	400										0.0

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

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Hull From the 6.75m Waterline to the Boat Deck Port Hole Repair - 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 power tool clean to SSPC-SP11 the damaged/corroded areas

Abrade intact surfaces to produce a mechanical key.

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

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	% Loss factor	WFT (µm)	DFT (µm)	PSR (m²/ltr)	Pot Life 5°C	Touch Dry 5°C	Hard Dry 5°C	Overcoating 5°C		Before Flooding 5°C	Thinners	Cleaners	Volume (lt)
											Min	Max				
Intershield 300HS	ENA380/ENA383	Bronze	TU	30	192	150	3.64	100mins	8hrs	14hrs	14hrs	3mths		GTA220	GTA220, GTA822	0.0
Intershield 300HS	ENA381/ENA383	Aluminium	TU	30	192	150	3.64	100mins	8hrs	14hrs				GTA220	GTA220, GTA822	0.0
Interfine 5703	SUA044	RAL3000	TU	30	83	50	8.40								GTA007	0.0
Interfine 5703	SUA044	RAL3000	TU	30	83	50	8.40								GTA007	0.0
					551	400										0.0

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

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Application Notes

Definitions:

TU: Touch Up

SC: Stripe Coat

FC: Full Coat

Test for soluble salts/chlorides. Maximum permissible total soluble salt levels are 5 ug/cm² (5 micrograms per cm²) = 50 mg /m² (50 milligrams per m²).

New steel plates must be wheel abraded and primed with Interplate 937 zinc silicate weldable pre-construction primer to minimize the secondary surface preparation to the weld seams and the burnt or damaged areas.

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

CCG Colors Factors:

CCG Red: RAL 3000

White: RAL 9003

Black: RAL 9004

Cream (Interior doors): 1 GP 12c color 108-113

Beige / Buff: RAL Design 070 7040

Yellow: RAL 1003

Deck Grey (Weather decks): RAL 7042

Deck Grey (Interior decks): RAL7042

Deck Red Brown: RAL 3011

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 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 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

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It is the users 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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