



On-board Maintenance PLAN FOR HERO CLASS VESSELS

Revision 1 (17-Mar-2014)



MID SHORE PATROL VESSEL

Project Areas: Superstructure
Interior Bulwarks
Topsides Hull
Exterior Decks

Vessel Details

General Information			
Vessel Name	Hero Class Patrol Vessels		
Year Delivered	2012		
Vessel Type	Patrol Vessel		
Port of Registry	Canada	Flag	Canada

Vessel Dimensions (Metres)		Surface Areas (Sq. Metres)	
Hull LOA	42.8	Vertical Sides	
Hull Width	7.11	Superstructure	N/A
Hull Depth	2.85	Weather Decks	N/A

General Comments
<p>This report is written to aid in the on board maintenance of the vessel by the crew.</p> <p>Proper planning is key, to receive the benefits of the coatings. A few steps to remember when completing on board maintenance are:</p> <ol style="list-style-type: none"> 1) Decide where you are going to work 2) Clean the area. Scrape away any loose coatings and or rust then wash the area with a lot of fresh water. If there is grease or oil you may need to you a degreaser. A biodegradable degreaser, then rinse with a lot of fresh water. Most degreasers are very potent and require a high mixing ratio with water. International 950 cleaner is a 20:1 mix with water. 3) Once the area is dry clean the corroded area to bare metal with hand or power tools. 4) Feather back at least 5-10 mm to ensure a tight edge for the new coatings to adhere to 5) When applying the coatings with a brush and roller you may have to apply multiple coats to ensure the proper mil thickness is achieved <p>**Standards referenced are SSPC –SP-1 Cleaning, SSPC-SP2 & SSPC-SP3 Hand and Power tool cleaning, and SSPC-SP 11 power tool cleaning to bare metal with a 1.25 mil profile.**</p>

Project Specification

Interspec #	CM700436	Issued:	March 13 th 2014
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Specification Details

Note: DFT – Dry Film Thickness in microns (25 microns = 1 mil)

Extent - % Surface Area in process (SC = Stripe Coat, TU = Touchup, FC = Full Coat)

Clean up is the solvent that should be used to clean equipment used with that product

Location Topsides Hull						Sq. Metres:	146
Preparation:						Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges	
#	Product	Colour	DFT	Extent	Clean Up		
1	Intersheid 300	Bronze	5	T/U	GTA415		
2	Intergard 263	Light Grey	4	T/U	GTA415		
3	Interthane 990 Coast Guard Red	RAL 3000	2	T/U	GTA056		
4							
5							
Total Build:			11				

Location Topsides Hull White Markings						Sq. Metres:	10
Preparation:						Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges	
#	Product	Colour	DFT	Extent	Clean Up		
1	Intersheid 300	Bronze	5	T/U	GTA415		
2	Intergard 263	Light Grey	4	T/U	GTA415		
3	Interthane 990 White	RAL 9003	2	T/U	GTA056		
4							
5							
Total Build:			11				

Location Bollards, Fairleads, & Capstan Drums						Sq. Metres:	50
Preparation:						Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges	
#	Product	Colour	DFT	Extent	Clean Up		
1	Interprime 198	Red	3	T/U	GTA007		
2	Interprime 198	Grey	3	T/U	GTA007		
3	Interlac 665 Black Semi-Gloss	CLA164	2	T/U	GTA004		
4							
5							
Total Build:			8				

Location Interior Fwd Bullwark				Sq. Metres:	50
Preparation: Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges					
#	Product	Colour	DFT	Extent	Clean Up
1	Interprime 198	Red	3	T/U	GTA007
2	Interprime 198	Grey	3	T/U	GTA007
3	Interlac 665 Black Semi-Gloss	CLA164	2	T/U	GTA004
4					
5					
Total Build:			8		

Location Capstan Machinery				Sq. Metres:	135
Preparation: Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges					
#	Product	Colour	DFT	Extent	Clean Up
1	Interprime 198	Red	3	T/U	GTA007
2	Interprime 198	Grey	2	T/U	GTA007
3	Interlac 665 RAL 7040 Buff	CLA165	2	T/U	GTA004
4					
5					
Total Build:			7		

Location Hand rails main deck & Bridge deck and all life rails for stairs				Sq. Metres:	50
Preparation: Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges					
#	Product	Colour	DFT	Extent	Clean Up
1	Interprime 198	Red	3	T/U	GTA007
2	Interprime 198	Grey	3	T/U	GTA007
3	Interlac 665 Black Semi-Gloss	CLA164	2	T/U	GTA004
4					
5					
Total Build:			8		

Location Main Deck and Bridge Deck				Sq. Metres:	265
Preparation: Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges					
#	Product	Colour	DFT	Extent	Clean Up
1	Intersheild 300	Bronze	5	T/U	GTA415
2	Intersheild 300	Aluminum	5	T/U	GTA415
3	Interbond 201	Storm Grey	5	T/U	GTA415
4					
5					
Total Build:			15		

Location Calibre Mounts on Bridge Deck				Sq. Metres:	50
Preparation:		Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges			
#	Product	Colour	DFT	Extent	Clean up
1	Interprime 198	Red	3	T/U	GTA007
2	Interprime 198	Grey	3	T/U	GTA007
3	Interlac 665 RAL 7040 Buff	CLA165	2	T/U	GTA004
4					
5					
Total Build:			8		

Location Top of Bridge Pilot House				Sq. Metres:	135
Preparation:		Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges			
#	Product	Colour	DFT	Extent	Clean Up
1	Interprime 198	Red	3	T/U	GTA007
2	Interprime 198	Grey	3	T/U	GTA007
3	Interlac 665 White	RAL 9003	2	T/U	GTA004
4					
5					
Total Build:			8		

Location Superstructure (Aluminum)				Sq. Metres:	135
Preparation:		Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges			
#	Product	Colour	DFT	Extent	Clean Up
1	Interprime 198	Red	3	T/U	GTA007
2	Interprime 198	Grey	3	T/U	GTA007
3	Interlac 665 White	RAL 9003	2	T/U	GTA004
4					
5					
Total Build:			8		

Location Superstructure outside, Mast & Slewing Davit				Sq. Metres:	135
Preparation:		Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges			
#	Product	Colour	DFT	Extent	Clean up
1	Interprime 198	Red	3	T/U	GTA007
2	Interprime 198	Grey	3	T/U	GTA007
3	Interlac 665 RAL 7040 Buff	CLA165	2	T/U	GTA004
4					
5					
Total Build:			8		

Location Below Floor of Engine room and Aft Peak				Sq. Metres:	150
Preparation:		Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges			
#	Product	Colour	DFT	Extent	Clean up
1	Intersheild 300	Aluminium	5	T/U	GTA415
2	Intersheild 300	Bronze	5	T/U	GTA415
3					
4					
5					
Total Build:			10		

Location Fore Peak and Void Spaces				Sq. Metres:	100
Preparation:		Clean to an SP1, and the prep SP-2/SP-3/SP-11, and feather the edges			
#	Product	Colour	DFT	Extent	Clean Up
1	Intersheild 300	Aluminium	5	T/U	GTA415
2	Intersheild 300	Bronze	5	T/U	GTA415
3					
4					
5					
Total Build:			10		

Location Grey water and Ballast Tanks				Sq. Metres:	100
Preparation:		Clean to an SP1, and prep to SP-11, and feather the edges			
#	Product	Colour	DFT	Extent	Clean Up
1	Interline 624	Buff	6	T/U	GTA415
2	Interline 624	Grey	6	T/U	GTA415
3					
4					
5	12				
Total Build:			12		

Location Potable Water Tanks				Sq. Metres:	35
Preparation:		Clean to an SP1, and prep to SP-11, and feather the edges			
#	Product	Colour	DFT	Extent	Clean Up
1	Interline 975P	White	12	T/U	GTA415
2					
3					
4					
5					
Total Build:					

Location : Fuel Storage Tanks				Sq. Metres:	163
Preparation:					
#	Product	Colour	DFT	Extent	Clean Up
1					
2	No Coatings				
3					
4					
5					

Location : Lube oil Tanks				Sq. Metres:	5
Preparation:					
#	Product	Colour	DFT	Extent	Clean Up
1					
2	No Coatings				
3					
4					
5					

Location: Bilge				Sq. Metres:	10
Preparation:		Clean to an SP1, and prep to SP-11, and feather the edges			
#	Product	Colour	DFT	Extent	Clean Up
1	Intershield ENA 300	Aluminum	5	T/U	GTA415
2	Intershield ENA300	Bronze	5	T/U	GTA415
3					
4					
5					
			10		

Location : Sewage Tank				Sq. Metres:	5
Preparation: Clean to an SP1, and prep to SP-11, and feather the edges					
#	Product	Colour	DFT	Extent	Clean Up
1	Interline 925	White	12	T/U	GTA415
2					
3					
4					
5					
Total Build			12		

Location : Black Water Tank				Sq. Metres:	5
Preparation: Clean to an SP1, and prep to SP-11, and feather the edges					
#	Product	Colour	DFT	Extent	Clean Up
1	Interline 925	White	12	T/U	GTA415
2					
3					
4					
5					
Total Build			12		

Location : Dirty Oil Tank				Sq. Metres:	12
Preparation: Clean to an SP1, and prep to SP-11, and feather the edges					
#	Product	Colour	DFT	Extent	Clean Up
1	Interline 624	Buff	6	T/U	GTA415
2	Interline 624	White	10	T/U	GTA415
3					
4					
5					
Total Build			16		

International Head Office

International Coatings Ltd.
Oriol House
16 Connaught Place, London W2 2ZB
United Kingdom

European Regional Office

International Paint Ltd.
Stoneygate Lane, Felling, Gateshead NE10 0JY Tel:
+44 (0)191 402 2775 Fax: +44 (0)191 401 2320

North American Regional Office

International Paint Inc.
6001 Antoine Drive, Houston, Texas 77091 USA
Tel: +1 (713) 682 1711 Fax: +1 (713) 684 1511

Canadian Sales Offices

Newfoundland

1179 Topsail Road, Mount Pearl, Newfoundland A1N 2M3
Tel: +1 (709) 368 4600 Fax: +1 (709) 747 3759

Nova Scotia

250 Brownlow Avenue, Suite 2, Dartmouth, Nova Scotia B3B 1W9
Tel: +1 (902) 468 1401 Fax: +1 (902) 468 1403

Quebec

1405 55E N. Avenue, Dorval, Quebec H3C 5N7
Tel: +1 (800) 361 2865 Fax: +1 (514) 631 8058

British Columbia

304-255 West 1st Street, North Vancouver, British Columbia V7M 3G8
Tel: +1 (604) 988 7191 Fax: +1 (604) 988 8627