

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

CCGS Mangystau-2

MANGYSTAU-2

Canadian Coast Guard

Montreal, Canada

18-May-2022

CACR1-3HXC-84WP/1

Kevin Leigh  
kevin@jbcocoatings.com  
Sarnia, Ontario  
Cell # 1-519-328-6601

Technical Specification  
Estimate areas accordingly  
Thinners not included in the estimate

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
1  
MANGYSTAU-2

Main Schemes		
Area	Description	Area (m <sup>2</sup> )
1. Underwater Anticorrosives	An Intershield 163 Inerta 160 abrasion resistant scheme for vessels permanently operating in ice.	100
2. Underwater Hull marking	Interseal 670HS Off White for underwater hull markings	10
3. Sea Chests	An Intershield 300 abrasion resistant epoxy scheme directly overcoated with Intergard 263 tie coat followed by Interspeed 640.	100
4. Topsides	An Intershield 300 abrasion resistant epoxy scheme directly overcoated with an polyurethane finish, Interthane 990.	100
5. Above water hull markings	A polyurethane finish, Interthane 990	100
6. Void spaces-pipe tunnel	An Intershield 300 abrasion resistant epoxy	100
7. Ballast Tanks	An Intershield 300 abrasion resistant epoxy	100
8. Freshwater Tanks	An Interline 975P, two component, solvent free, heavy duty epoxy lining that provides corrosion protection for the internals of potable water tanks and liquid mud tanks.	100
9. Bilges-Tank tops	An Intershield 300 abrasion resistant epoxy	100
10. Exterior Decks	An Intershield 300 abrasion resistant epoxy scheme directly overcoated with an polyurethane finish, Interthane 990.	100
11. Handrails/ Appendages	An Intershield 300 abrasion resistant epoxy scheme directly overcoated with an polyurethane finish, Interthane 990.	100
12. Superstructure	An Intershield 300 abrasion resistant epoxy scheme directly overcoated with an polyurethane finish, Interthane 990.	100
13. Interior spaces (bulkhead/deckhead)	An Intershield 300 abrasion resistant epoxy scheme directly overcoated with an polyurethane finish, Interthane 990.	100
14. Lube Oil Tank	An Intershield 300 abrasion resistant epoxy	10
15. Forward Mast	An Intershield 300 abrasion resistant epoxy scheme directly overcoated with an polyurethane finish, Interthane 990.	100

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
2  
MANGYSTAU-2

## 1. Underwater Anticorrosives [100 m<sup>2</sup>]

An Intershield 163 Inerta 160 abrasion resistant scheme for vessels permanently operating in ice.

### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Part/Spot blast damaged/corroded areas to ISO8501-1 Sa2½ or SSPC-SP10. Sweep blast the remaining area.

Apply the material before visible oxidation occurs. If oxidation does occur, the entire oxidised surface should be re-blasted to the standard specified above.

Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms.

Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 163 Inerta 160	ERA174/ERA161	CGuardRed	25% TU	30	526	500	1.33	10hrs	62hrs		GTA220, GTA822	18.80
Intershield 163 Inerta 160	ERA163/ERA161	Black	FC	30	526	500	1.33	10hrs	62hrs		GTA220, GTA822	75.20
					1,052	1,000						94.00

## 2. Underwater Hull marking [10 m<sup>2</sup>]

Interseal 670HS Off White for underwater hull markings

### Surface Preparations

Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Interseal 670HS	EGA231/EGA248	Off White	FC	30	152	125	4.59			GTA220	GTA822, GTA220	2.20
					152	125						2.20

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
3  
MANGYSTAU-2

### 3. Sea Chests [100 m<sup>2</sup>]

An Intershield 300 abrasion resistant epoxy scheme directly overcoated with Intergard 263 tie coat followed by Interspeed 640.

#### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Part/Spot blast damaged/corroded areas to ISO8501-1 Sa2½ or SSPC-SP10. Sweep blast the remaining area.

Apply the material before visible oxidation occurs. If oxidation does occur, the entire oxidised surface should be re-blasted to the standard specified above.

Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms.

Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 300	ENA300/ENA303	Bronze	15% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	5.40
Intershield 300	ENA301/ENA303	Aluminium	17% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	6.10
Intergard 263	FAJ034/FAA262	Light Grey	19% TU	30	132	75	5.32	7hrs	18hrs	GTA220	GTA220, GTA822	3.60
Interspeed 640	BRA640	Red	20% TU	30	161	100	4.34	4.5hrs		GTA007	GTA007	4.60
Interspeed 640	BRA642	Black	FC	30	161	100	4.34	4.5hrs		GTA007	GTA007	23.00
					954	575						42.70

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
4

MANGYSTAU-2

#### 4. Topsides [100 m<sup>2</sup>]

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

##### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Part/Spot blast damaged/corroded areas to ISO8501-1 Sa2½ or SSPC-SP10. Sweep blast the remaining area.

Apply the material before visible oxidation occurs. If oxidation does occur, the entire oxidised surface should be re-blasted to the standard specified above.

Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms.

Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 300	ENA300/ENA303	Bronze	15% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	5.40
Intershield 300	ENA301/ENA303	Aluminium	17% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	6.10
Interthane 990	PHA162/PHA046	RAL3000 C.Guard Red	19% TU	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	2.40
Interthane 990	PHA162/PHA046	RAL3000 C.Guard Red	FC	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	12.50
					676	400						26.40

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1

18-May-2022

5

MANGYSTAU-2

## 5. Above water hull markings [100 m<sup>2</sup>]

A polyurethane finish, Interthane 990

### Surface Preparations

Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Interthane 990	PHA163/PHA046	RAL9003 White	50% TU	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	6.30
Interthane 990	PHA163/PHA046	RAL9003 White	50% TU	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	6.30
Interthane 990	PHA164/PHA046	RAL9004 Black SG	50% TU	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	6.30
Interthane 990	PHA164/PHA046	RAL9004 Black SG	50% TU	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	6.30
					352	200						25.20

### [Scheme notes](#)

Area estimated for Coast Guard markings.

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
6  
MANGYSTAU-2

## 6. Void spaces-pipe tunnel [100 m<sup>2</sup>]

An Intershield 300 abrasion resistant epoxy

### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Part/Spot blast damaged/corroded areas to ISO8501-1 Sa2½ or SSPC-SP10. Sweep blast the remaining area.

Apply the material before visible oxidation occurs. If oxidation does occur, the entire oxidised surface should be re-blasted to the standard specified above.

Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms.

Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 300	ENA300/ENA303	Bronze	15% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	5.40
Intershield 300	ENA301/ENA303	Aluminium	15% SC	30	0	0	5.60	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	2.70
Intershield 300	ENA301/ENA303	Aluminium	FC	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	35.70
					500	300						43.80

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1

18-May-2022

7

MANGYSTAU-2

## 7. Ballast Tanks [100 m<sup>2</sup>]

An Intershield 300 abrasion resistant epoxy

### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Part/Spot blast damaged/corroded areas to ISO8501-1 Sa2½ or SSPC-SP10. Sweep blast the remaining area.

Apply the material before visible oxidation occurs. If oxidation does occur, the entire oxidised surface should be re-blasted to the standard specified above.

Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms.

Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 300	ENA300/ENA303	Bronze	15% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	5.40
Intershield 300	ENA300/ENA303	Bronze	15% SC	30	0	0	5.60	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	2.70
Intershield 300	ENA301/ENA303	Aluminium	15% SC	30	0	0	5.60	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	2.70
Intershield 300	ENA301/ENA303	Aluminium	FC	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	35.70
					500	300						46.50

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1

18-May-2022

8

MANGYSTAU-2

## 8. Freshwater Tanks [100 m<sup>2</sup>]

An Interline 975P, two component, solvent free, heavy duty epoxy lining that provides corrosion protection for the internals of potable water tanks and liquid mud tanks.

### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Full blast to ISO 8501-1 Sa2½ or SSPC-SP10.

Apply the material before visible oxidation occurs. If oxidation does occur, the entire oxidised surface should be re-blasted to the standard specified above.

Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Interline 975P	THA960/THA962	White	FC	30	300	300	2.33	9hrs	18hrs		GTA415, GTA822	42.90
Interline 975P	THA960/THA962	White	15% SC	30	0	0	14.00	9hrs	18hrs		GTA415, GTA822	1.10
					300	300						44.00

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1

18-May-2022

9

MANGYSTAU-2

## 9. Bilges-Tank tops [100 m<sup>2</sup>]

An Intershield 300 abrasion resistant epoxy

### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application. Power tooling to SSPC SP11. Power tool cleaning to remove tightly adhering material which is visibly free from all rust, mill scale and old coatings, and has a surface profile. Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms. Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 300	ENA300/ENA303	Bronze	15% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	5.40
Intershield 300	ENA301/ENA303	Aluminium	17% TU	30	125	75	5.60	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	3.00
					375	225						8.40

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
10  
MANGYSTAU-2

## 10. Exterior Decks [100 m<sup>2</sup>]

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

### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Part/Spot blast damaged/corroded areas to ISO8501-1 Sa2½ or SSPC-SP10. Sweep blast the remaining area.

Apply the material before visible oxidation occurs. If oxidation does occur, the entire oxidised surface should be re-blasted to the standard specified above.

Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms.

Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 300	ENA300/ENA303	Bronze	FC	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	35.70
Intershield 300	ENA301/ENA303	Aluminium	FC	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	35.70
Interthane 990	PHH296/PHA046	RAL3011 Brown Red	FC	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	12.50
Interthane 990	PHH296/PHA046	RAL3011 Brown Red	FC	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	12.50
					676	400						96.40

### [Scheme notes](#)

Non-slip aggregate to be added to Interthane 990

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1

18-May-2022

11

MANGYSTAU-2

## 11. Handrails/ Appendages [100 m<sup>2</sup>]

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

### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application. Power tooling to SSPC SP11. Power tool cleaning to remove tightly adhering material which is visibly free from all rust, mill scale and old coatings, and has a surface profile. Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms. Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 300	ENA300/ENA303	Bronze	15% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	5.40
Intershield 300	ENA301/ENA303	Aluminium	17% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	6.10
Interthane 990	PHA163/PHA046	RAL9003 White	19% TU	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	2.40
Interthane 990	PHA163/PHA046	RAL9003 White	FC	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	12.50
					676	400						26.40

### Scheme notes

Possible colours maybe required to match CCGS scheme

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
12  
MANGYSTAU-2

## 12. Superstructure [100 m<sup>2</sup>]

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

### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application. Power tooling to SSPC SP11. Power tool cleaning to remove tightly adhering material which is visibly free from all rust, mill scale and old coatings, and has a surface profile. Abrade intact surfaces to produce a mechanical key. Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms. Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 300	ENA300/ENA303	Bronze	15% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	5.40
Intershield 300	ENA301/ENA303	Aluminium	17% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	6.10
Interthane 990	PHA163/PHA046	RAL9003 White	19% TU	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	2.40
Interthane 990	PHA163/PHA046	RAL9003 White	FC	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	12.50
					676	400						26.40

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
13  
MANGYSTAU-2

### 13. Interior spaces (bulkhead/deckhead) [100 m<sup>2</sup>]

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

#### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application. Power tooling to SSPC SP11. Power tool cleaning to remove tightly adhering material which is visibly free from all rust, mill scale and old coatings, and has a surface profile. Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms. Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 300	ENA300/ENA303	Bronze	15% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	5.40
Intershield 300	ENA301/ENA303	Aluminium	17% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	6.10
Interthane 990	PHA163/PHA046	RAL9003 White	19% TU	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	2.40
Interthane 990	PHA163/PHA046	RAL9003 White	FC	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	12.50
					676	400						26.40

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
14

MANGYSTAU-2

## 14. Lube Oil Tank [10 m<sup>2</sup>]

An Intershield 300 abrasion resistant epoxy

### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application. Power tooling to SSPC SP11. Power tool cleaning to remove tightly adhering material which is visibly free from all rust, mill scale and old coatings, and has a surface profile. Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms. Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 300	ENA300/ENA303	Bronze	15% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	0.50
Intershield 300	ENA301/ENA303	Aluminium	17% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	0.60
					500	300						1.10

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
15  
MANGYSTAU-2

## 15. Forward Mast [100 m<sup>2</sup>]

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

### Surface Preparations

Fresh water wash to remove all dirt and contamination, as necessary. Degrease according to SSPC-SP1 solvent cleaning. Ensure area is clean and dry prior to application.

Full blast to ISO 8501-1 Sa2 or SSPC-SP6.

Apply the material before visible oxidation occurs. If oxidation does occur, the entire oxidised surface should be re-blasted to the standard specified above.

Feather or chip back surrounding area to a sound edge. Overlap onto existing sound coatings by 2-3 cms.

Ensure the area is clean and dry prior to application.

Product	Sales Code	Colour	Coats	% Loss factor	WFT (µm)	DFT (µm)	PSR (m <sup>2</sup> /lt)	Touch Dry 20°C	Hard Dry 20°C	Thinner	Cleaner	Volume (lt)
Intershield 300	ENA300/ENA303	Bronze	15% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	5.40
Intershield 300	ENA301/ENA303	Aluminium	17% TU	30	250	150	2.80	3.3hrs	6.5hrs	GTA220	GTA220, GTA822	6.10
Interthane 990	PHA100/PHA046	Base Ultra Deep	19% TU	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	2.40
Interthane 990	PHA100/PHA046	Base Ultra Deep	FC	30	88	50	7.98	1.8hrs	8hrs	GTA056, GTA713, GTA733	GTA056, GTA713, GTA733	12.50
					676	400						26.40

### Scheme notes

Interthane 990 Colour is 070 70 40 (BUFF). PHA100 base, Shade code W43W

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1

18-May-2022

16

MANGYSTAU-2

Product List					
Product	Colour	Sales Code	VOC (g/l)	Volume Solids (%)	Volume (lt)
Intergard 263	Light Grey	FAJ034/FAA262	445	57	3.60
Interline 975P	White	THA960/THA962	0	100	44.00
Interseal 670HS	Off White	EGA231/EGA248	240	82	2.20
Intershield 163 Inerta 160	Black	ERA163/ERA161	40	95	75.20
Intershield 163 Inerta 160	CGuardRed	ERA174/ERA161	40	95	18.80
Intershield 300	Bronze	ENA300/ENA303	386	60	87.50
Intershield 300	Aluminium	ENA301/ENA303	386	60	152.70
Interspeed 640	Red	BRA640	385	62	4.60
Interspeed 640	Black	BRA642	385	62	23.00
Interthane 990	Base Ultra Deep	PHA100/PHA046	420	57	14.90
Interthane 990	RAL3000 C.Guard Red	PHA162/PHA046	420	57	14.90
Interthane 990	RAL9003 White	PHA163/PHA046	420	57	57.30
Interthane 990	RAL9004 Black SG	PHA164/PHA046	420	57	12.60
Interthane 990	RAL3011 Brown Red	PHH296/PHA046	420	57	25.00
<b>Total</b>					<b>536.30</b>

Total volume (lt): 536.30

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
17  
MANGYSTAU-2



## Application Notes

### Definitions:

TU: Touch Up

SC: Stripe Coat

FC: Full Coat

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.

All non-zinc silicate weldable pre-construction primers require removal to SSPC-SP10

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.

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

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-SP11 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.

Care shall be taken when applying paint to the inside of angled members and other difficult to reach areas.

[7:30 AM] Hart, N. (Nicole)

Technical Specification

Estimate areas accordingly

Thinners not included in the estimate

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1

18-May-2022

18

MANGYSTAU-2

## Terms and Conditions

This confidential document is for the use of the above named client and its contents should not be reproduced or transmitted without prior written permission from International Paint. The information is given in good faith and attention to the following statement :

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.

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
19  
MANGYSTAU-2

**Terms and Conditions of Sale**

- SCOPE:** As used herein, "AkzoNobel" means the AkzoNobel entity identified above; "Buyer" means the purchaser of Products from AkzoNobel and "Products" means any and all goods sold by AkzoNobel to Buyer. Unless a detailed product sales agreement is in place between AkzoNobel and Buyer covering the sale of the Products, all Products sold or otherwise provided by AkzoNobel are sold or provided exclusively on the basis of these Terms and Conditions of Sale. No differing or supplemental terms or conditions shall be applicable unless expressly agreed to by AkzoNobel in writing.
- OFFER / ACCEPTANCE:** A quotation from AkzoNobel does not constitute an offer but an invitation to Buyer to make an offer. In all cases Buyer's offer shall be deemed based on these Terms and Conditions of Sale. An agreement comes into effect only when AkzoNobel accepts Buyer's offer.
- DELIVERY / TRANSFER OF RISK:** Delivery terms shall be interpreted in accordance with the latest INCOTERMS valid at the date the order is accepted. Unless otherwise agreed to by AkzoNobel in writing the delivery term is EXW and risk of loss in the Products will transfer to Buyer upon tender of the Products to Buyer or the carrier at AkzoNobel's shipping facility. Buyer shall be responsible for all storage and other costs relating to Buyer's failure to accept delivery pursuant hereto. The method and agency of transportation, unless otherwise agreed to in writing, may be selected by AkzoNobel and AkzoNobel reserves the right to ship collect. AkzoNobel's receipt from the carrier shall be conclusive evidence of delivery and the amount delivered. Shipping and delivery dates are approximate and are given by AkzoNobel in good faith, but are not guaranteed unless otherwise specifically agreed in writing.
- QUANTITY VARIATIONS:** Buyer will pay for the quantity delivered and may not reject any delivery of Product on the grounds of variation of quantity where such variation is not more than 10% of the quantity ordered.
- RETURNS:** No Products may be returned for any reason without AkzoNobel's written authorization. Tinted product and special orders may not be returned at any time. If AkzoNobel authorizes a return, Buyer must return the Products in clean, resalable condition. If returned for reasons other than AkzoNobel's error in filling Buyer's order, the Buyer will receive a credit in the amount of the billed price of the Products returned less 20% for handling, if returned within 90 days of the invoice date. Amount of credit for materials returned after 90 days is subject to negotiation. Products returned to AkzoNobel are to be shipped by the Buyer DDP AkzoNobel's designated warehouse.
- PRICE AND PAYMENT:** Unless otherwise agreed by the Parties, the price for the Products will be the price quoted by AkzoNobel. All prices quoted by AkzoNobel are exclusive of value added tax and any other tax that may apply in respect of the Products. AkzoNobel will issue invoices to Buyer for all Products sold to Buyer. Buyer shall pay these invoices within thirty (30) days from the invoice date in the currency indicated on the invoice at the address of AkzoNobel indicated on the invoice. Any amounts not paid in accordance with invoiced terms shall bear interest at a rate of one and one-half percent (1.5%) per month or, if less, the highest rate permitted by applicable law. Buyer may not withhold payment of any amount due to AkzoNobel because of any set-off, counter-claim, abatement or similar deduction. Upon demand Buyer will immediately reimburse AkzoNobel for any and all costs including fees for collection agencies and attorneys incurred or expended by AkzoNobel to collect any amounts due from Buyer.
- RETENTION OF TITLE:** AkzoNobel retains a security interest in all Products delivered to Buyer to secure payment in full of all amounts due to AkzoNobel and Buyer shall, upon AkzoNobel's request, execute such documentation as AkzoNobel deems necessary to perfect or maintain its security interest in the Products. Title to the Products passes to Buyer (subject to AkzoNobel's security interest) at the time risk of loss passes to Buyer. Buyer may sell the Products in the ordinary course of its business, but may not pledge, mortgage or otherwise encumber the Products prior to payment in full of the purchase price.
- WARRANTY / BUYER'S RIGHTS:** AkzoNobel warrants to Buyer that at the time of transfer of risk of loss the Products conform to AkzoNobel's standard Product specifications or such other specifications as AkzoNobel and Buyer have expressly agreed to in writing (the "Specifications"). THIS WARRANTY IS THE SOLE WARRANTY GIVEN BY AKZONOBEL. AKZONOBEL MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ORAL OR WRITTEN, WITH RESPECT TO THE PRODUCTS, THE APPLICATION OR USE THEREOF, OR OTHERWISE, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, EACH OF WHICH IS SPECIFICALLY DISCLAIMED. In the event Products do not comply with the foregoing warranty, AkzoNobel will, at its option, repair or replace such Products or refund the Price of the Products and, having done so, will have no further liability. Buyer must notify AkzoNobel of any claim Products do not comply with the foregoing warranty within seven (7) days after Buyer becomes aware of such claim but in no event later than thirty (30) days after delivery of the Product to Buyer. Buyer's failure to notify AkzoNobel of any such claim within the time set out in the preceding sentence will constitute a waiver by Buyer of such claim. AkzoNobel makes no warranty of any kind with

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
20  
MANGYSTAU-2



## Terms and Conditions of Sale

respect to any services provided to Buyer and shall have no liability with respect to such services. Seller's Warranty does not apply to any Products identified as obsolete, substandard, or past the recommended shelf-life, which are sold "AS IS, WHERE IS."

9. **LIMITATION OF LIABILITY:** AkzoNobel will not be liable for any loss or damage caused by Buyer's failure to exercise effective quality control or the failure to store, use or otherwise handle the Products as advised or in accordance with instructions provided by AkzoNobel or industry standards. AKZONOBEL WILL NOT BE LIABLE TO BUYER, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), BREACH OF STATUTORY DUTY OR OTHERWISE FOR ANY LOSS OF PROFIT, LOSS OF BUSINESS, DIMINUTION IN VALUE, OR DEPLETION OF GOODWILL OR ANY INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, PUNITIVE, OR CONSEQUENTIAL LOSS OR DAMAGE. AKZONOBEL'S AGGREGATE LIABILITY TO BUYER IN RESPECT OF ALL LOSSES ARISING UNDER OR IN CONNECTION WITH THE SUPPLY OF PRODUCTS WILL IN NO WAY EXCEED THE PRICE OF THE PRODUCTS PURCHASED, OR \$1,000,000 CAD, WHICHEVER IS LOWER. Nothing in this section will limit or exclude AkzoNobel's liability for any matter in respect of which it is unlawful for AkzoNobel to exclude or restrict its liability.
10. **HEALTH & SAFETY OF WORKERS:** Buyer expressly assumes all liability resulting from, or in any way connected with, the possession, handling and/or use by its employees, agents, or clients of the Products. Buyer hereby agrees to indemnify, defend and hold AkzoNobel and its affiliates harmless from all claims, judgments, losses or expenses and any costs (including, but not limited to court costs and attorney's fees) in any way related to Buyer's or its subcontractor's failure to comply with any of the foregoing.
11. **FORCE MAJEURE:** AkzoNobel will not be liable in any respect for failure to perform its obligations if hindered or prevented, directly or indirectly by war (declared or undeclared), national emergency, inadequate transportation facilities, machinery or equipment failure, AkzoNobel's inability to secure materials, supplies, fuel or power for the manufacture of Product on terms and conditions that are acceptable to AkzoNobel, fire, flood, windstorm or other act of God, strike, lockout or other labour dispute, order or act of any government, whether foreign, national or local, whether valid or invalid, or any other cause of like or different kind beyond the reasonable control of AkzoNobel (each a "Force Majeure"). AkzoNobel shall have no obligation to procure any Products from other sources and may allocate its available supply of Products among the members of the AkzoNobel Group (including itself) and their customers, buyers, distributors and resellers on whatever basis AkzoNobel may deem fair and practical. In the event that the duration of a Force Majeure exceeds thirty (30) days or is reasonably expected to exceed 30 days, AkzoNobel is entitled to withdraw from any obligation it may have to supply the Products to Buyer without the Buyer having any right to compensation.
12. **EXPORT CONTROL:** Buyer will not sell, export, re-export, license, transmit, divert or otherwise transfer, directly or indirectly, any Product or any information or technology related to the Product except in accordance with applicable laws and regulations, including without limitation applicable UN, US and EU export control laws and regulations and the laws and regulations of the country where Buyer is resident. Buyer acknowledges that it will (i) take all steps necessary to comply with the above laws and regulations, including obtaining export and other licenses if necessary and (ii) not take any actions that would cause AkzoNobel to be in violation of the above laws.
13. **TERMINATION:** An agreement with Buyer to deliver Products on the basis of these Terms and Conditions will not oblige AkzoNobel for the future to take further orders. AkzoNobel will at all times be entitled to end the relationship. Such termination will never entitle Buyer to compensation.
14. **MARITIME LIEN:** This Contract is subject to any lien, privilege, mortgage, hypothec and/or any other charge (the "Lien") that the Seller has against the vessel in accordance with the federal and provincial legislation in Canada. Any attempt to waive, negate or nullify the Seller's Lien against the vessel or waive the vessel's ultimate liability for the costs of products supplied, including without limitation, by endorsing delivery receipts, will be of no effect or validity. Please inform the Owners (if different from you) and the vessel's Master, accordingly.
15. **LAW AND DISPUTE RESOLUTION:** These Terms and Conditions and all disputes between AkzoNobel and Buyer are governed by the laws of Province of Ontario and where applicable the federal laws of Canada, excluding the United Nations Convention of Contracts for the International Sale of Goods and any choice of law rules that direct the application of the law of any other jurisdiction. Any dispute between AkzoNobel and Buyer that the parties are unable to resolve by agreement will be resolved exclusively in the courts having jurisdiction over the subject matter of the dispute located in Ontario, Canada. Each party consents and agrees to the jurisdiction and venue of such courts.
16. **NOTICE:** All notices, request, demands or other communications to or upon the Seller shall be made in writing to the following address: Akzo Nobel Coatings Ltd. c/o Legal Affaires, 1120 Finch Avenue West, Suite 200, North York, M3J 3H7 Canada.

## Marine Coatings

Unless otherwise agreed in writing, all products supplied and technical advice given by us are subject to our standard terms and conditions of sale. Please note that a surcharge may be applied to the prices listed, in which case this will be notified to you by your International Paint representative. In the event that supplies are made and technical advice is given by one of our associated companies then such supplies and technical advice shall be subject to the standard terms of sale of that company, a copy of which is available upon request

CACR1-3HXC-84WP/1  
18-May-2022  
21  
MANGYSTAU-2

 AkzoNobel