Intergard 740

Epoxy Finish

PRODUCT DESCRIPTION

A two pack epoxy finish.

INTENDED USES

As a cosmetic finish coat for use on areas above the waterline.
For use at Newbuilding, Maintenance & Repair or On Board Maintenance.

PRODUCT INFORMATION

Colour	ECB000-White, ECK724-Storm Grey, ECL274-Red, ECL549-Signal Green, ECY999-Black; and a wide range of colours.
Finish/Sheen	High Gloss
Part B (Curing Agent)	ECA914
Volume Solids	51% ±3% (ISO 3233:1998)
Mix Ratio	4.00 volume(s) Part A to 1 volume(s) Part B
Typical Film Thickness	50 microns dry (98 microns wet)
Theoretical Coverage	10.2 m²/litre at 50 microns dft and 51% volume solids, allow appropriate loss factors
Method of Application	Airless Spray, Roller, Brush, Conventional Spray
Flash Point (Typical)	Part A 27°C; Part B 29°C; Mixed 28°C
Induction Period	30 minutes at temperatures below 25°C

Drying Information	5°C	10°C	25°C	35°C
Touch Dry [ISO 9117/3:2010]	16 hrs	12 hrs	3 hrs	2 hrs
Hard Dry [ISO 9117-1:2009]	54 hrs	40 hrs	16 hrs	12 hrs
Pot Life	12 hrs	11 hrs	8 hrs	3 hrs

Overcoating Data - see limitations

	Substrate Temperature							
	5°C		10°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Intergard 740	54 hrs	ext	40 hrs	ext	16 hrs	ext	12 hrs	ext

REGULATORY DATA

VOC

420 g/lt as supplied (EPA Method 24)
344 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)
416 g/lt Chinese National Standard GB23985

Note: VOC values are typical and are provided for guidance purposes only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances.

CERTIFICATION

When used as part of an approved scheme, this material has the following certification:

- Food Contact - Carriage of Grain (NOHH)
- Fire Resistance - Surface Spread of Flame (Exova Warringtonfire)
- Fire Resistance - Smoke & Toxicity (Exova Warringtonfire)
- Fire Resistance - Marine Equipment Directive compliant

Consult your International Paint representative for details.
Approvals issued by external bodies may be dependent upon formulation and/ or manufacturing site.

SYSTEMS AND COMPATIBILITY

Intergard 740 should only be applied over epoxy anticorrosive primers. The primer to be used will depend upon vessel area and application location. Typical primers include:

Interbond 201
Intergard 269 (as a tiecoat over Interzinc 22 on external decks)
Intergard 400
Intergard 264
Intershield 300
Intershield 803
Intertuf 262
Intertuf 362

Consult your International Paint representative for the system best suited for the surfaces to be protected.

SURFACE PREPARATIONS

Use in accordance with the standard Worldwide Marine Specifications.
All surfaces to be coated should be clean, dry and free from contamination.
High pressure fresh water wash or fresh water wash, as appropriate, and remove all oil or grease, soluble contaminants and other foreign matter in accordance with SSPC-SP1 solvent cleaning.

NEWBUILDING/MAJOR REFURBISHMENT

Intergard 740 should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and Intergard 740 must be applied within the overcoating intervals specified (consult the relevant product data sheet).Areas of breakdown, damage etc., should be prepared to the specified standard (e.g. Sa2½ (ISO 8501-1:2007) and primed prior to the application of Intergard 740

REPAIR/OBM

Intergard 740 should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and Intergard 740 must be applied within the overcoating intervals specified (consult the relevant product data sheet).Areas of breakdown, damage etc., should be prepared to the specified standard (e.g. Sa2½ (ISO 8501-1:2007) and primed prior to the application of Intergard 740
Intergard 740 may be applied directly over aged Intergard 740 following thorough fresh water washing and degreasing provided the coating to be overcoated is in an intact and tightly adherent condition. Loose or flaking coatings should be removed back to a firm edge and Intergard 740 or an appropriate primer should be used to repair the area before application of the full coat.

Consult your International Paint representative for specific recommendations.

NOTE
For use in Marine situations in North America, the following surface preparation standards can be used: SSPC-SP10 in place of Sa2½ (ISO 8501-1:2007)

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APPLICATION

Mixing	Material is supplied in 2 containers as a unit. Always mix a complete unit in the proportions supplied. (1) Agitate Base (Part A) with a power agitator. (2) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.
Thinner	International GTA220. Thinning is not normally required. Consult the local representative for advice during application in extreme conditions. Do not thin more than allowed by local environmental legislation.
Airless Spray	Recommended Tip Range 0.38-0.53 mm (15-21 thou) Total output fluid pressure at spray tip not less than 176 kg/cm² (2500 p.s.i.)
Conventional Spray	Use suitable proprietary equipment. Thinning may be required.
Brush	Application by brush is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.
Roller	Application by roller is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.
Cleaner	International GTA220/GTA822. Choice of cleaner maybe subject to local legislation. Please consult your local representative for specific advice.
Work Stoppages and Cleanup	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA220/GTA822. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units. Clean all equipment immediately after use with International GTA220/GTA822. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays. Do not exceed pot life limitations. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.
Welding	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. In North America do so in accordance with instruction in ANSI/ASC Z49.1 "Safety in Welding and Cutting."

SAFETY

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

Prior to use, obtain, consult and follow the Material Safety Data Sheet for this product concerning health and safety information. Read and follow all precautionary notices on the Material Safety Data Sheet and container labels. If you do not fully understand these warnings and instructions or if you can not strictly comply with them, do not use this product. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapour concentrations within safe limits and to protect against toxic or oxygen deficient hazards. Take precautions to avoid skin and eye contact (ie. gloves, goggles, face masks, barrier creams etc.) Actual safety measures are dependant on application methods and work environment.
EMERGENCY CONTACT NUMBERS:
USA/Canada - Medical Advisory Number 1-800-854-6813
Europe - Contact (44) 191 4696111. For advice to Doctors & Hospitals only contact (44) 207 6359191
China – Contact (86) 532 83889090
R.O.W. - Contact Regional Office

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LIMITATIONS

This product will not cure adequately below 5°C. For maximum performance ambient curing temperatures should be above 10°C.
In common with all epoxy based coatings Intergard 740 will exhibit chalking of the film on UV exposure.
Overcoating information is given for guidance only and is subject to regional variation depending upon local climate and environmental conditions. Consult your local International Paint representative for specific recommendations.
Apply in good weather. Temperature of the surface to be coated must be at least 3°C above the dew point. For optimum application properties bring the material to 21-27°C, unless specifically instructed otherwise, prior to mixing and application. Unmixed material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE Section of this data sheet. Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures. Test performance results were obtained in a controlled laboratory environment and International Paint makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection, verification of performance and use of the coating.
In the overcoating data section 'ext' = extended overcoating period. Please refer to our Marine Painting Guide - Definitions and Abbreviations available on our website.

UNIT SIZE

Unit Size	Part A		Part B	
	Vol	Pack	Vol	Pack
20 lt	16 lt	20 lt	4 lt	5 lt
1 US gal	0.8 US gal	1 US gal	0.2 US gal	1 US quart
5 US gal	4 US gal	5 US gal	1 US gal	1 US gal

For availability of other unit sizes consult International Paint

UNIT SHIPPING WEIGHT (TYPICAL)

Unit Size	Unit Weight
1 US gal	13.1 lb
20 lt	29 Kg
5 US gal	64.5 lb

STORAGE

Shelf Life	12 months minimum at 25°C. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

WORLDWIDE AVAILABILITY Consult International Paint.

IMPORTANT NOTE

www.international-marine.com