Interline 783

Epoxy

PRODUCT DESCRIPTION

Light coloured, high solids, fast cure, tar free, two pack epoxy anticorrosive.

INTENDED USES

For use in water ballast tanks, voids, chemical holding and transfer tanks (CHT), fuel and compensating fuel tanks and bilges and welldeck overheads.Can be used at low temperatures or as a fast cure system between 21-35°C. Optically active pigment (OAP) is present in the pink primer (THA787) and buff finish (THA782) to aid in the inspection process during application.
For use at Newbuilding and Maintenance & Repair.

PRODUCT INFORMATION

Colour	Primer: THA787-Pink Topcoat(s): THA782-Buff, THA783-Grey, THA788-Terracotta Red, THA789-White
Finish/Sheen	Gloss
Part B (Curing Agent)	THA785
Volume Solids	95% ±2% (ISO 3233:1998)
Mix Ratio	3 volume(s) Part A to 1 volume(s) Part B
Typical Film Thickness	Primer - 150 microns dry (158 microns wet) Topcoat - 250 microns dry (263 microns wet)
Theoretical Coverage	Primer - 6.3 m²/lt at 150 microns dry Topcoat - 3.8 (m²/lt) at 250 microns dry, allow appropriate loss factors
Method of Application	Plural Feed Airless Spray
Flash Point (Typical)	Part A 47°C; Part B 59°C; Mixed 51°C
Induction Period	Not required

Drying Information	0°C	5°C	25°C	35°C
Touch Dry [ASTM D1640 7.5.1]	12 hrs	7 hrs	2 hrs	1.5 hrs
Hard Dry [ASTM D1640 7.7]	24 hrs	16 hrs	4 hrs	3 hrs

Overcoating Data - see limitations

	Substrate Temperature							
	0°C		5°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Interline 783	24 hrs	3 days	16 hrs	3 days	4 hrs	2 days	3 hrs	24 hrs
Interline 783 Other	24 hrs	7 days	16 hrs	7 days	4 hrs	7 days	3 hrs	7 days

Note The first line of overcoating data above refers to situations where the underlying coat **has** been subjected to U.V. light during cure, and the second line of data above refers to situations where the underlying coat **has not** been subjected to U.V. light during cure

REGULATORY DATA

VOC 120 g/lt as supplied (EPA Method 24)

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.

MIL SPEC MIL-PRF-23236, Type VII, Class 5/18, 7/18, 13/18, 17/18 & 18/19 Grade C

SYSTEMS AND COMPATIBILITY

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
Where necessary, remove weld spatter and smooth weld seams and sharp edges.
This product must only be applied to surfaces prepared by abrasive blast cleaning to SSPC-SP10 standard or to an equivalent standard.
A sharp, angular surface profile of 50-100 microns is recommended.
Interline 783 must be applied before oxidation of the steel occurs. If oxidation does occur the entire oxidised area should be reblasted to the standard specified above.
Any surface defect revealed by the blast cleaning process should be corrected or treated appropriately (i.e. grinding, filling etc).

REPAIR
Consult International Paint.

Consult your International Paint representative for specific recommendations and procedures.

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

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APPLICATION	Trial applications with various types of plural component spray equipment have been carried out and for best application results the following is recommended. Interline 783 should be maintained and applied at a temperature ranging between 21-32°C. During application Interline 783 should not exceed temperatures of 35°C. If mixed product temperatures are allowed to exceed 35°C the chemical reaction of the two components will be increased and the workable life of the product will be shortened and risk of prouct curing in paint lines will be greatly increased. During cold weather applications insulation of paint lines is required to stabilise and maintain the recommended mixed product temperature to the spray-gun. It is also recommended that the line length between the plural feed pumps mixing block to the spray-gun be minimised as much as possible. **Prior to use Interline 783 application guidelines should be reviewed.**
Mixing	Material is supplied in two containers as a unit. Agitate base (Part A) with power agitator prior to loading paint into the plural component hopper.
Thinner	DO NOT THIN
Airless Spray	**Plural Feed** Recommended pump pressure range between 3,000-3,500 psi and product temperature should be between 21-32°C before feeding paint lines. It is also recommended that paint line length should not exceed 150 feet past the mixing block. For best application control the recommended tip size range 15-19 thousands. For large open areas a 21 thousands tip size may be used (note this will yield a heavier spray pattern and may be more difficult to control wet mils). Mixing ratios must be verified prior to application and hoppers must be monitored to prevent cavitations in the spray system as this may result in incorrect mixing ratios. **Single Feed** Single Feed Airless Spray is not recommended.
Conventional Spray	Application by conventional spray is not recommended.
Brush	Brushes should only be utilised for small controlled repair areas, minor touch-ups and spripe coating (half gallon kits shoul be used for this type of work). Prior to use Interline 783 application guidelines should be reviewed.
Roller	Rollers should only be utilised for small controlled repair areas, minor touch-ups and spripe coating (half gallon kits shoudl be used for this type of work). Prior to use Interline 783 application guidelines should be reviewed.
Cleaner	The following thinners are recommended for cleaning spray equipment: International GTA407/GTA415/GTA056/GTA840
Work Stoppages and Cleanup	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International thinners. Once units of paint have been mixed they should not be resealed. Prolonged work stoppage is not recommended due to short workable life of Interline 783. Clean all equipment immediately after ise with recommended International thinners. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend on amount sprayed, temperature and elapsed time, incluing any delays. do not exceed workable life limitations. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations.
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
R.O.W. - Contact Regional Office

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LIMITATIONS

At ambient temperatures below 21°C paint lines need to be insulated to maintain the products recommended temperature range during application. Drying times and overcoating intervals may vary due to on-site factors such as tank size and configuration, environmental engineering controls and ventilation extract rates etc. Consult your International Paint representative for minimum cure times prior to loading ballast in coated tanks. Overcoating information is given for guidance only and is subject to regional variation depending upon local climate and environmental conditions.

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 25°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.

UNIT SIZE

Unit Size	Part A		Part B	
	Vol	Pack	Vol	Pack
0.5 US gal	0.38 US gal	0.5 US gal	0.13 US gal	0.13 US gal
4 US gal	3 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
0.5 US gal	6.14 lb
4 US gal	47.04 lb

4 US gallon unit : 47.04 lb - Top Coat
4 US gallon unit : 45.29 lb - Primer

STORAGE

Shelf Life: Part A - 18 months minimum
Part B - 18 months minimum
Subject to reinspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition. This product should be stored and maintained at a temperature between 21-27°C for at least 24 hours prior to use.

WORLDWIDE AVAILABILITY

Consult International Paint.

IMPORTANT NOTE

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local representative that this data sheet is current prior to using the product.

This Technical Data Sheet is available on our website at www.international-marine.com or www.international-pc.com, and should be the same as this document. Should there be any discrepancies between this document and the version of the Technical Data Sheet that appears on the website, then the version on the website will take precedence.

www.international-marine.com