

Solvent Free Epoxy

PRODUCT DESCRIPTION A two pack solvent free epoxy which can be applied underwater and will cure underwater to give a corrosion and abrasion resistant coating.

INTENDED USES As a hand applied repair compound for application to submerged steelwork where conventional coatings cannot be used.
For use at Maintenance & Repair or On Board Maintenance.

PRODUCT INFORMATION

Colour	EAA001-Green
Finish/Sheen	Not applicable
Part B (Curing Agent)	EAA002
Volume Solids	100% (ISO 3233:1998)
Mix Ratio	1 volume(s) Part A to 1.14 volume(s) Part B
Typical Film Thickness	6000 microns dry (6000 microns wet)
Theoretical Coverage	0.17 m ² /litre at 6000 microns dft, allow appropriate loss factors
Flash Point (Typical)	Part A 101°C; Part B 101°C; Mixed 101°C
Induction Period	Not required

Drying Information	10°C	15°C	25°C	35°C
Hard Dry [ISO 9117-1:2009]	48 hrs	24 hrs	8 hrs	3 hrs
Pot Life	90 mins	75 mins	60 mins	15 mins

Overcoating Data - see limitations	Substrate Temperature							
	10°C		15°C		25°C		40°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max

Note Interzone 101 is not normally overcoated.

REGULATORY DATA

VOC	0 g/lit as supplied (EPA Method 24) 5 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)
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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.

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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.

REPAIR

When applying to bare steel substrates below water or in permanently wet conditions the surface should be prepared by power discing with a carborundum disc or by needle gun to achieve a clean, roughened surface in accordance with St3 (ISO 8501-1:2007) power tool cleaning.

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-SP11 in place of St3 (ISO 8501-1:2007)**

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APPLICATION

Other

Hand Moulding:

Applicators must wear rubber nitrile gloves and appropriate skin protection. Gloves may be moistened with water to assist application.

Mixing

For small areas (5.0-7.5 cm diameter), small, handleable quantities of Interzone 101 should be mixed and then taken to the diver to the area to be repaired.

For larger areas only one 6 litre unit should be mixed at a time. To remove contents from tins, cut both top and bottom of the tin and push the material out. In cold weather, warming may be necessary.

Mixing should be carried out on a large, clean smooth sheet of steel, tinplate or hardboard using palette knives, scraper blades or trowels. DO NOT ADD WATER OR THINNERS TO THE MIX as this will reduce strength of cured composition. The material should be thoroughly mixed until the separate yellow and blue colours have been completely merged to a bright green colour, free of yellow and blue streaks. Avoid beating air into the mixture and 'fold' the components together.

Thinner

Do not thin under any circumstances.

Cleaner

International GTA822

Work Stoppages and Cleanup

Thoroughly clean all equipment with International GTA822.

Once units of paint have been mixed they should not be resealed.

All surplus material and empty containers should be disposed of in accordance with 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

R.O.W. - Contact Regional Office

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LIMITATIONS

Application - Underwater:

This is a fairly difficult technique which requires thorough planning. For small areas, 5.0-7.5 cm (2-3") diameter, small, handleable quantities of Interzone 101 should be mixed then taken by diver to the area to be repaired. Always ensure small amounts of material are fully adhered to the substrate before progressing.

When Interzone 101 has exceeded its working pot life the product commences curing, it becomes rubbery, and this change in character can be easily observed. At this stage the product must be discarded. Further material must not be mixed on top of cured or curing material. Therefore use a fresh surface for mixing or thoroughly clean the surface with solvent.

Interzone 101 is a specialist product designed for a specific end use. Detailed application instructions for Interzone 101 are available from International Paint.

Due to the presence of low molecular weight chemicals in the formation, some VOC may be recorded when this product is tested in accordance with the USA-EPA Method 24 protocol. This is due to the high temperatures used in the test procedures

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 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 and proper coating application guidelines. 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 actually 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
	6 lt	2.8 lt	5 lt	3.2 lt	5 lt
For availability of other unit sizes consult International Paint					
UNIT SHIPPING WEIGHT (TYPICAL)	Unit Size	Unit Weight			
	6 lt	10.57 Kg			
STORAGE	Shelf Life	18 months minimum at 25°C. Subject to reinspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.			

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.

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