Interzinc 22

Inorganic Zinc-Rich Silicate

PRODUCT DESCRIPTION

A two pack, solvent based, inorganic zinc rich ethyl silicate primer, containing 85% zinc by weight in the dry film. Provides excellent corrosion protection to correctly prepared steel substrates.

INTENDED USES

As a base coat for a wide range of above water organic coating schemes to greatly enhance corrosion resistance. For use at Newbuilding or Maintenance & Repair.

PRODUCT INFORMATION

Colour	QHA500-Greenish Grey
Finish/Sheen	Not applicable
Part B (Curing Agent)	QHA526 (zinc dust)
Volume Solids	63% ±2% (ISO 3233:1998)
Mix Ratio	3.1 volume(s) Part A to 1 volume(s) Part B
Typical Film Thickness	75 microns dry (119 microns wet)
Theoretical Coverage	8.4 m²/litre at 75 microns dft, allow appropriate loss factors
Method of Application	Airless Spray, Brush, Conventional Spray, Roller
Flash Point (Typical)	Part A 14°C ; Part B Not Applicable ; Mixed 14°C
Induction Period	Not required

Drying Information	5°C	15°C	25°C	35°C
Touch Dry [ISO 9117/3:2010]	30 mins	20 mins	10 mins	7 mins
Hard Dry [ISO 9117-1:2009]	3 hrs	90 mins	60 mins	30 mins
Pot Life	12 hrs	8 hrs	4 hrs	2 hrs

Overcoating Data - see limitations

	Substrate Temperature							
	5°C		15°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Intergard 269	18 hrs	ext	9 hrs	ext	4.5 hrs	ext	1.5 hrs	ext

Note Overcoating is dependant upon ambient conditions. Figures have been determined at the quoted temperature and 65% relative humidity. (see Limitations)

REGULATORY DATA

VOC

470 g/lt as supplied (EPA Method 24)
216 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)

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.

Coating hazard marker GB 30981.2-S-Pb≤1000-NC Qualified for GB 30981.2-2025

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

Interzinc 22 may be applied over some fresh zinc silicate shop primers. International Paint should be consulted regarding zinc silicate shop primers and the requisite surface preparation prior to their overcoating. Other types of shop primer are not suitable for overcoating and will require complete removal by abrasive blast cleaning. Weld seams and damaged areas should be blast cleaned to Sa2½ (ISO 8501-1:2007).

MAJOR REFURBISHMENT/REPAIR

Abrasive blast clean to Sa2½ (ISO 8501-1:2007). If oxidation has occurred between blasting and application of Interzinc 22, the surface should be reblasted to the specified visual standard.
Surface defects revealed by the blast cleaning process, should be ground, filled, or treated in the appropriate manner.
A surface profile of 40-75 microns is recommended.

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	Interzinc 22 is supplied in 2 parts, a liquid Binder base component (Part A) and a Powder component (Part B). The Powder (Part B) should be slowly added to the liquid Binder (Part A) whilst stirring with a mechanical agitator. DO NOT ADD LIQUID TO POWDER. Material should be filtered prior to application and should be constantly agitated in the pot during spraying. Once the unit has been mixed it should be used within the working pot life specified.
Thinner	Not recommended under normal conditions of use. Use International GTA415 (USA) in exceptional circumstances or to assist spray application at high temperatures (typically above 28°C). 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 112 kg/cm² (1590 p.s.i.)
Conventional Spray	Gun DeVilbiss MBC or JCA with leather packing, Air Cap 704, Fluid Tip E
Brush	Recommended for small areas only.
Roller	Not recommended.
Cleaner	International GTA415
Work Stoppages and Cleanup	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA415. 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 GTA415. 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
R.O.W. - Contact Regional Office

LIMITATIONS

The minimum overcoating interval is dependent on the relative humidity. At relative humidities less than 65% the minimum recoat period may be extended. This should be confirmed by carrying out a solvent rub test. Consult International Paint for details.
The maximum overcoating interval is normally indefinite but will be dependent on the weather and environmental conditions. The Interzinc 22 surface must be clean, dry and free from soluble zinc salts and zinc corrosion product. For overcoating procedures consult International Paint.
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
5 US gal	3.78 US gal	5 US gal	1.22 US gal	5 US gal

For availability of other unit sizes consult International Paint

UNIT SHIPPING WEIGHT (TYPICAL)

Unit Size	Unit Weight
5 US gal	106.08 lb

STORAGE

Shelf Life

Low flash storage required.
Part A - 6 months at 25°C
Part B - 12 months 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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