

PRODUCT DESCRIPTION **LOW TEMPERATURE**
 A two pack, self priming, surface tolerant epoxy with low semi-gloss finish. Exhibits excellent chemical and abrasion resistance. Suitable for use at low temperatures (down to 23°F). An ambient temperature cure version is available. Low VOC.

INTENDED USES
 A universal anticorrosive for use on underwater hulls, above water and internal areas of marine vessels, barges and offshore structures.
 For use at Newbuilding, Maintenance & Repair or On Board Maintenance.

PRODUCT INFORMATION

| | |
|-------------------------------|--|
| Colour | FPD052-Off White, FPJ034-Light Gray, FPL274-Red, FPY999-Black |
| Finish/Sheen | Low Semi-Gloss (ASTM D-523) |
| Converter/Curing Agent | FCA321 for low temperature |
| Volume Solids | 80% ±2% (ASTM D2697-86) |
| Mix Ratio | 4.00 volumes Part A to 1 volume Part B |
| Typical Film Thickness | 127 microns dry (159 microns wet) |
| Theoretical Coverage | 6.30 (m ² /lt) at 5.0 mils (127 microns) dft, allow appropriate loss factors. |
| Method of Application | Airless Spray, Conventional Spray |
| Flash Point | (Setaflash) (ASTM D-3278) |
| Induction Period | 15 minutes at temperatures below 60°F (16°C) |

Drying Information

| | | | |
|------|-----|------|------|
| -5°C | 5°C | 15°C | 25°C |
|------|-----|------|------|

| | | | | |
|-----------------|------|------|------|--------|
| Pot Life | 8hrs | 5hrs | 3hrs | 2.5hrs |
|-----------------|------|------|------|--------|

Overcoating Data - see limitations

Substrate Temperature

| | | | | | | | | |
|---------------|------|-----|-----|-----|------|-----|------|-----|
| | -5°C | | 5°C | | 15°C | | 25°C | |
| Overcoated By | Min | Max | Min | Max | Min | Max | Min | Max |

Note:* Consult your International Representative for specific recommendations on minimum overcoating times at 23°F. Times listed above are for low temperature recoating situations of Intergard 264. Stated drying times are for FCA321 converter only. For ambient temperature application information with FPA327 converter see Intergard 264 Temperate data sheet.

REGULATORY DATA **MIL SPEC** MIL-PRF-24647B, Type I, CLIA, Gr A and B

**SYSTEMS AND
COMPATIBILITY**

Consult your International Representative for the system best suited for the surfaces to be protected. If overcoating Intergard 264 with antifoulings, the first coat of antifouling must be applied while the Intergard 264 is soft to thumbprint or slightly tacky. When using in cargo holds, consult the Intergard 264 Cargo Hold Application Procedures.

**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

Dependent on yard procedures. Consult International.

MAJOR REFURBISHMENT**Steel:**

For optimum performance "Near White Blast Cleaning" (SSPC-SP10) is recommended. "Commercial Blast Cleaning" (SSPC-SP6) is acceptable in many areas. Consult your International Representative for specific recommendations. If oxidation has occurred between blasting and application of Intergard 264, the surface should be reblasted to the specified standard.

Previously Painted Surfaces

"Power Tool Clean" (SSPC-SP3 or SP11, as specified) or "Commercial Blast" (SSPC-SP6) bare areas of steel. Hydroblasting to International HB2M standard for non-immersed areas and HB2L for immersed areas is also acceptable.

Apply one or more spot coats of Intergard 264, as specified.

RECOATING:

When maximum recoat times have been exceeded, wash surface with International 950 Cleaner as recommended and rinse thoroughly. After 90 days more surface preparation may be required.

NOTE:

For use in Marine situations outside North America, the following surface preparation standards can be used:

Sa2 (ISO 8501-1:1988) in place of SSPC-SP6

Sa2½ (ISO 8501-1:1988) in place of SSPC-SP10

| | |
|-----------------------------------|---|
| APPLICATION | Apply by conventional or airless spray. Application other methods, brush or roller may require more than one coat and is suggested for small areas only of stripe coating. Strain material through a minimum 60 mesh screen before application. Apply at 6.3 mils (160 microns) wet which will yield 5.0 mils (127 microns) dry film thickness. Consult the following equipment recommendations or utilize suitable equal. |
| Mixing | Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified. (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 | DO NOT THIN BEYOND YOUR STATE'S COMPLIANCY. Material is supplied at spray viscosity and normally does not need thinning. If thinning is necessary, thin up to a maximum of 4 ounces/gal. (118 ml) with International GTA220 Thinner. |
| Airless Spray | Minimum 30:1 ratio pump; 0.019"- 0.027" (483-686 microns) orifice tip; 3/8" (9.5 mm) ID high pressure material hose; 60 mesh tip filter. |
| Conventional Spray | DeVilbiss MBC-510 gun E tip and 704 air cap; 3/8" (9.5mm) ID material hose; double regulated pressure tank with oil and moisture separator. |
| Brush | Use appropriate size China bristle brush. |
| Roller | Use All Purpose Roller cover with 3/8" (9.5 mm) smooth to medium nap. Prewash roller cover to remove loose fibres prior to use. |
| Work Stoppages and Cleanup | Clean all equipment immediately after use with International GTA220. Spray equipment requires flushing with this solvent. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency will depend upon factors such as amount sprayed, temperature and elapsed time including work stoppages. Monitor material condition. 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 (see page 4 of Data Sheet)

LIMITATIONS

Apply in good weather when air and surface temperatures are above 23°F (-5°C). Surface temperature must be at least 5°F (3°C) above dew point. Unmixed material (in closed containers) should be held in protected storage between 40 and 100°F (4-38°C).

Care should be taken at temperatures close to freezing that surfaces are free from ice.

Reaction with ultraviolet light may cause color variations when the product is used as a cosmetic finish coat.

Overcoating information is given for guidance only and is subject to regional variation depending upon local climate and environmental conditions. Consult your local International Representative for specific recommendations.

Technical and application data herein is for the purpose of establishing a general guideline of the coating and proper coating application procedures. Test performance results were obtained in a controlled laboratory environment and International 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

1 GALLON UNIT : Intergard 264, Part A, 0.8 gallon in a 1 gallon container and Part B, 0.2 gallon in a 1 quart container.

5 GALLON UNIT : Intergard 264 Part A, 4 gallons in a 5 gallon container and Part B, 1 gallon in a 1 gallon container.

This product can be made available in other pack sizes. Consult International for details.

UNIT SHIPPING WEIGHT

1 Gallon Unit (3.8 l) - 14.3 lbs (6.5 kg)

5 Gallon Unit (18.93 l) - 70 lbs (31.8 kg)

UN SHIPPING NO.

1263

STORAGE

Shelf Life

12 months minimum from date of manufacture when maintained in protected storage at 40-100°F (4-38°C). Subject to reinspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

WORLDWIDE AVAILABILITY

Consult International.

DISCLAIMER

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 his own risk. All advice we give 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 law) any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and 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 that this data sheet is current prior to using the product. It is the user's responsibility to check with his local International representative that this data sheet is current prior to using the product.

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