Intergard 292

Waterborne Epoxy Preconstruction Primer

PRODUCT DESCRIPTION

A two pack waterborne epoxy preconstruction primer. Low Odor. Low VOC.

INTENDED USES

A preconstruction primer for the protection of steel during fabrication and assembly. Long term weathering protection. Good cutting performance. Satisfactory welding performance. Excellent compatibility with a wide range of generic topcoats.
For use at Newbuilding.

PRODUCT INFORMATION

Color	NHA209-Red, and a range of colors
Finish/Sheen	Not applicable
Part B (Curing Agent)	NHA210
Volume Solids	31% ±2% (ASTM D2697-86)
Mix Ratio	4 volume(s) Part A to 1 volume(s) Part B
Typical Film Thickness	1 mils dry (3.2 mils wet), 0.8 - 1.2 mils dry practical range equivalent to 2.6 - 3.9 mils wet
Theoretical Coverage	497 ft²/US gal at 1 mils dft, allow appropriate loss factors
Method of Application	Airless Spray, Conventional Spray
Flash Point	Not applicable
Induction Period	30 minutes at 73°F

Drying Information	50°F	59°F	77°F	95°F
Hard Dry [ASTM D1640 7.7]	45 mins	35 mins	25 mins	15 mins
Pot Life			8 hrs	

Overcoating Data - see limitations	**Substrate Temperature**							
	50°F		59°F		77°F		95°F	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max

Note Consult your International Paint representative for overcoating recommendations.
Minimum overcoating interval 24 hours with appropriate primer. Consult your International Paint representative for further information.

REGULATORY DATA

VOC 298 g/lt (2.49 lb/US gal) 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 color and normal manufacturing tolerances.

SYSTEMS AND COMPATIBILITY	Consult your International Paint representative for the system best suited for the surfaces to be protected.
SURFACE PREPARATIONS	Paint only clean, dry surfaces. Remove all grease, oil, soluble contaminants and other foreign matter by "solvent cleaning" (SSPC-SP1). **Steel:** For optimum performance "Near White Blast Cleaning" (SSPC-SP10) is recommended. If shot is used as the blasting media, it is preferable to add a minimum of 20 percent grit to the abrasive mixture in order to provide some angular profile in the substrate. Remove all dust and abrasive from the surface prior to coating. Surface profile should be between 1.5 mils and 2.5 mils.

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APPLICATION	Apply by conventional or airless spray. Application by other methods, brush or roller, may require more than one coat. Strain material through a minimum 60 mesh screen before application. Apply at 3.2 mils wet which will yield 1.0 mils dry film thickness. Consult the following equipment recommendations or utilize suitable equal. **CURING**: The curing time will vary depending upon dry film thickness and conditions that exist during the application and throughout curing periods. The rate of cure can be accelerated by force curing the coating for 5 minutes at 150°F.
Mixing	Material is supplied in 2 containers as a unit. Always mix a complete unit in the proportions supplied. (1) Agitate Part A with a power agitator, (2) Combine entire contents of Part A and Part B and mix thoroughly with a power agitator. (3) Allow the coating a 30 minute sweat-in period, at temperatures below 73°F.
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, deionized or distilled water is preferred since some tap waters could possibly affect pot life and performance characteristics. Thin only with amount necessary to obtain proper application and/or atomization (break-up) properties.
Airless Spray	Minimum 28:1 ratio pump; 0.015" - 0.021" (381-533 microns) orifice tip; 3/8" (9.5mm) ID high pressure material hose, 60 mesh tip filter.
Conventional Spray	DeVilbiss MBC-510 gun E tip and 704 air cap; 3/8" (9.5 mm) ID material hose; double regulated pressure tank with oil and moisture separator.
Cleaner	Fresh potable water and International GTA138.
Work Stoppages and Cleanup	Thoroughly flush all equipment with GTA138. All unused material should be stored in tightly closed containers. Partially filled containers may show a viscosity increase of the material after storage. Material should be filtered prior to use. Clean all equipment immediately after use with International No metric value exists for Thinners. 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. 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 vapor 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

Apply in good weather when air and surface temperatures are above 50°F. Surface temperature must be at least 5°F above dew point. For optimum application properties, bring material to 70-80 °F prior to mixing and application. Keep from freezing and do not apply under freezing conditions.
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. 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 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
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

Unit Size	Unit Weight
5 US gal	59.8 lb

STORAGE

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

WORLDWIDE AVAILABILITY Consult International Paint.

IMPORTANT NOTE