Intershield 300V

Abrasion Resistant Aluminium Pure Epoxy

PRODUCT DESCRIPTION

A <340g/l VOC light coloured, abrasion resistant, aluminium pure epoxy coating giving excellent long term anticorrosive protection and low temperature application capability.

INTENDED USES

A universal primer which can be applied directly to mechanically prepared shop primer or suitably prepared bare steel. Suitable for use with controlled cathodic protection. A tank coating which is approved for the carriage of potable water.
For use at Newbuilding or Maintenance & Repair.

Certified to ANSI/NSF Standard 61.
NSF Certification is for tanks greater than 5,000 gallons

PRODUCT INFORMATION

Colour	ENA310-Bronze, ENA311-Aluminium
Finish/Sheen	Matt
Part B (Curing Agent)	ENA313
Volume Solids	63% ±2% (ISO 3233:1998)
Mix Ratio	1.00 volume(s) Part A to 1 volume(s) Part B
Typical Film Thickness	150 microns dry (238 microns wet)
Theoretical Coverage	4.2 m²/litre at 150 microns dft, allow appropriate loss factors
Method of Application	Airless Spray, Brush, Roller
Flash Point (Typical)	Part A 41°C; Part B 26°C; Mixed 31°C
Induction Period	Not required

Drying Information	-5°C	5°C	25°C	35°C
Touch Dry [ISO 9117/3:2010]	6 hrs	4 hrs	3 hrs	60 mins
Hard Dry [ISO 9117-1:2009]	28 hrs	17 hrs	4 hrs	2 hrs
Pot Life	6 hrs	6 hrs	2 hrs	60 mins

Overcoating Data - see limitations

	Substrate Temperature							
	-5°C		5°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Interfine 5703	-	-	-	-	4 hrs	5 days	2 hrs	3 days
Interfine 979	30 hrs	5 days	18 hrs	5 days	6.5 hrs	3 days	4 hrs	3 days
Intergard 267	30 hrs	14 days	18 hrs	14 days	6.5 hrs	14 days	4 hrs	14 days
Intergard 740	30 hrs	7 days	18 hrs	7 days	6.5 hrs	7 days	4 hrs	7 days
Intershield 300V Immersed Areas	30 hrs	14 days	18 hrs	14 days	6.5 hrs	14 days	4 hrs	14 days
Intershield 300V Non Immersed Areas[1]	30 hrs[1]	6 mths[1]	18 hrs[1]	6 mths[1]	6.5 hrs[1]	5.5 mths[1]	4 hrs[1]	3 mths[1]
Intershield 6GV	-	-	24 hrs	7 days	24 hrs	7 days	24 hrs	5 days
Interthane 990	30 hrs	3 days	18 hrs	3 days	6.5 hrs	3 days	4 hrs	3 days
Interthane 990HS	30 hrs	3 days	18 hrs	3 days	6.5 hrs	3 days	4 hrs	3 days

Note For Intergard 740, Interthane 990 and Interthane 990HS a minimum temperature of 5°C is required to achieve full cure and specified performance.
[1]For Intershield 300V - Non Immersed Areas, the maximum overcoating times are subject to inspection and evaluation.

REGULATORY DATA

VOC 326 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.

Intershield 300V

Abrasion Resistant Aluminium Pure Epoxy

CERTIFICATION

When used as part of an approved scheme, this product has the following certification:

- Food Contact - Carriage of Grain (NOHA)
- Fire Resistance - Marine Equipment Directive compliant
- Fire Resistance - Surface Spread of Flame (Exova Warringtonfire)
- Fire Resistance - Smoke & Toxicity (Exova Warringtonfire)
- Potable Water - Certification for tanks greater than 5,000 gallons (ANSI Standard 61)

Potable Water Certification issued by external bodies is dependent upon formulation and/or manufacturing site. Based on this, products supplied in different territories may not be approved to all of the standards listed above. Consult your International Paint representative for details.

SYSTEMS AND COMPATIBILITY

Consult your International Paint representative for the system best suited for the surfaces to be protected.
If overcoating Intershield 300V with antifoulings or single pack finishes, the first coat of material must be applied while the Intershield 300V is soft to thumbprint or slightly tacky.
When using in cargo holds, consult the Intershield 300V Cargo Hold Application Guidelines.
For tank coating, consult International Paint for the detailed coating procedures that should be followed.

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

Where necessary, remove weld spatter and smooth weld seams and sharp edges.
Weld seams and areas of shop primer damage or breakdown should be blast cleaned to Sa2½ (ISO 8501-1:2007) or power tooled to Pt3 (JSRA SPSS:1984).
Intact, approved, shop primers must be clean, dry and free from soluble salts and any other surface contaminants. Unapproved shop primers will require complete removal by blast cleaning to Sa2½ (ISO 8501-1:2007). In some cases sweep blasting to a defined International Paint standard (eg AS2 or AS3) may be acceptable. Consult your International Paint representative for specific recommendations.

MAJOR REFURBISHMENT

Abrasive blast clean to minimum Sa2 (ISO 8501-1:2007) or International Paint Hydroblasting Standard HB2M. If oxidation has occurred between blasting and application of Intershield 300V, 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.

REPAIR

Consult International Paint.

Consult your International Paint representative for specific recommendations.

When full abrasive blasting is carried out, a sharp angular surface profile of 50-100 microns is recommended.

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)
SSPC-SP6 in place of Sa2 (ISO 8501-1:2007)
SSPC-SP11 in place of Pt3 (JSRA SPSS:1984)

Intershield 300V

Abrasion Resistant Aluminium Pure Epoxy

APPLICATION

Mixing	Material is supplied in 2 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	Use International GTA220 only in exceptional circumstances. DO NOT thin more than allowed by local environmental legislation.
Airless Spray	Recommended Tip Range 0.48-0.64 mm (19-25 thou) Total output fluid pressure at spray tip not less than 211 kg/cm² (3000 p.s.i.) - Pump Ratio 40:1 minimum
Brush	Application by brush is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.
Roller	Application by roller is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.
Cleaner	International GTA822/GTA415
Work Stoppages and Cleanup	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA822/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 GTA822/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

Intershield 300V

Abrasion Resistant Aluminium Pure Epoxy

LIMITATIONS

Intershield 300V should be high pressure fresh water washed and/or solvent washed prior to overcoating, where necessary, to ensure removal of any surface contamination that has accumulated.
Suitable for use on tanker decks subject to Classification Society Regulations.
Intershield 300V may be applied at substrate temperatures down to -5°C, however consideration should be given when overcoating at low temperatures as the remainder of the system may require higher temperatures to achieve full cure.
For North America: if overcoating Intershield 300V direct with antifoulings, the first coat of antifouling must be applied while the Intershield 300V is still tacky.
For use in potable water tank linings, as a two coat system with a 10 mils dft, nominal and cure of 30 days minimum at 25°C (77°F) and 50% relative humidity.

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.

UNIT SIZE

Unit Size	Part A		Part B	
	Vol	Pack	Vol	Pack
5 US gal	2.5 US gal	2.5 US gal	2.5 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	59 lb

STORAGE

Shelf Life	12 months minimum at 25°C. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

WORLDWIDE AVAILABILITY Consult International Paint.

IMPORTANT NOTE

www.international-marine.com