Interbond 201

Epoxy Primer/Finish

PRODUCT DESCRIPTION

TEMPERATE
A hard wearing, surface tolerant, two pack epoxy primer/finish offering corrosion protection in one coat.
A low temperature version of Interbond 201 is available for use down to -5°C.

INTENDED USES

As an anticorrosive primer/finish for decks, deck fittings and cargo holds.
For use at Maintenance & Repair or On Board Maintenance.

PRODUCT INFORMATION

Colour	KDL549-Signal Green, KDL274-Red, KDK724-Storm Grey, KDF684-Surf Grey
Finish/Sheen	Semi-gloss
Part B (Curing Agent)	KDA100 (temperate)
Volume Solids	74%±2% (ISO 3233:1998)
Mix Ratio	4.00 volume(s) Part A to 1 volume(s) Part B
Typical Film Thickness	150 microns dry (203 microns wet)
Theoretical Coverage	4.93 m²/litre at 150 microns dft, allow appropriate loss factors
Method of Application	Airless Spray, Brush, Roller
Flash Point (Typical)	Part A 28°C;Part B 34°C;Mixed 29°C (Product produced and supplied in North America has flash points of Part A 43°C , Part B 39°C and Mixed 39°C respectively due to locally sourced solvents. There is no detrimental effect on product performance.)
Induction Period	30 minutes at temperatures below 25°C for KDA100

Drying Information	5°C	10°C	25°C	35°C
Touch Dry [ISO 9117/3:2010]	9 hrs	7 hrs	4 hrs	3 hrs
Hard Dry [ISO 9117-1:2009]	47 hrs	29 hrs	9 hrs	5 hrs
Pot Life	8 hrs	7 hrs	4 hrs	2 hrs

Overcoating Data - see limitations

	Substrate Temperature							
	5°C		10°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Interbond 201 Ballast Holds	24 hrs	28 days	18 hrs	28 days	6 hrs	28 days	4 hrs	15 days
Interbond 201	24 hrs	3 mths	18 hrs	2.5 mths	6 hrs	2 mths	4 hrs	28 days
Interbond 501	24 hrs	21 days	18 hrs	21 days	6 hrs	21 days	4 hrs	21 days
Intergard 740	24 hrs	28 days	18 hrs	20 days	6 hrs	14 days	4 hrs	7 days
Intersheen 579	24 hrs	3 days	18 hrs	3 days	6 hrs	3 days	4 hrs	3 days
Interthane 990	-	-	-	-	9 hrs	24 hrs	5 hrs	24 hrs
Interthane 990E	-	-	-	-	9 hrs	24 hrs	5 hrs	24 hrs

Note Stated figures for pot life, drying times and overcoating intervals are for temperate product. For low temperature product data see separate data sheet.

REGULATORY DATA

VOC

279 g/lt as supplied (EPA Method 24)
229 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)
274 g/lt Chinese National Standard GB23985

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

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CERTIFICATION

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

- Food Contact - Carriage of Grain (NOHH)
- Fire Resistance - Surface Spread of Flame (Exova Warringtonfire)
- Fire Resistance - Smoke & Toxicity (Exova Warringtonfire)
- Fire Resistance - Marine Equipment Directive compliant

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.
When using in cargo holds, consult the Interbond 201 Cargo Hold Application Guidelines.

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.

MAJOR REFURBISHMENT
Abrasive blast clean to Sa2 (ISO 8501-1:2007). If oxidation has occurred between blasting and application of Interbond 201, 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.
Interbond 201 may be applied to surfaces prepared to International Paint Hydroblasting Standard HB2 which have flash rusted to no worse than HB2M. Hydroblasting is only recommended for cargo holds, topsides and above water areas.
Or - Interbond 201 may be applied to surfaces prepared to International Paint Slurry Blasting Standard SB2 where flash rust is no worse than SB2M. Slurry blasting is only recommended for topsides and above water areas.
REPAIR/OBM - Exposed steel and corrosion:
Hand or power tool clean to a minimum St2 (ISO 8501-1:2007).Note, all scale must be removed and areas which cannot be prepared adequately by chipping or needle gun should be spot blasted to a minimum standard of Sa2 (ISO 8501-1:2007). Typically this would apply to C or D grade steel in this standard.
Or - Abrasive blast clean to Sa2 (ISO 8501-1:2007). If oxidation has occurred between blasting and application of Interbond 201, 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.
Or - Interbond 201 may be applied to surfaces prepared to International Paint Hydroblasting Standard HB2 which have flash rusted to no worse than HB2M.
Or - Interbond 201 may be applied to surfaces prepared to International Paint Slurry Blasting Standard SB2 where flash rust is no worse than SB2M.
Interbond 201 is suitable for overlap onto most aged coating systems. Loose or flaking coatings should be removed back to a firm edge and Interbond 201 should be applied to overlap the existing coating by 2-3 centimetres (one inch). Glossy epoxies and polyurethanes may require abrasion.
Intact Coatings:
This product may be applied as a full coat over most generic types of paint that have been aged for at least 3 months. It is advisable that a small trial be carried out before applying a full coat over certain generic types. Consult International Paint for acceptable generic types and extent of surface preparation required.
Accurate film thickness control is essential, particularly when overcoating existing systems.
Wet Holds
Abrasive blast clean to Sa2½ (ISO 8501-1:2007).
or - Interbond 201 may be applied to surfaces prepared to International Paint Hydroblasting Standard HB2½ which have flash rusted to no worse than HB2½L.
Notes on Overcoating at Repair/OBM
Interthane 990 may be applied to weathered (chalked) temperate Interbond 201 more than 3 months old, provided that the surface is treated by fresh water washing to remove all dirt and contamination followed by degreasing according to SSPC-SP1 solvent cleaning.Interthane 990 should not be used to overcoat Interbond 201 low temperature. For good cosmetics Interbond 201 low temperature should be overcoated with Intergard 740 or Intersheen 579.

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)
SSPC-SP6 in place of Sa2 (ISO 8501-1:2007)
SSPC-SP2 in place of St2 (ISO 8501-1:2007)

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APPLICATION

Mixing	Material is supplied in 2 containers as a unit. Always mix a complete unit in the proportions supplied. (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	International GTA220. Thinning is not normally required. Consult the local representative for advice during application in extreme conditions. Do not thin more than allowed by local environmental legislation.
Airless Spray	Recommended Tip Range 0.53-0.84 mm (21-33 thou) Total output fluid pressure at spray tip not less than 176 - 246 kg/cm² (2500 - 3500 p.s.i.)
Conventional Spray	Application by conventional spray is not recommended.
Brush	Application by brush is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.
Roller	Recommended
Cleaner	International GTA220/GTA822. Choice of cleaner maybe subject to local legislation. Please consult your local representative for specific advice.
Work Stoppages and Cleanup	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA220/GTA822. 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 GTA220/GTA822. 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
China – Contact (86) 532 83889090
R.O.W. - Contact Regional Office

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LIMITATIONS

When spraying large areas, application of a brush coat is recommended over pitted or rough surfaces to ensure full penetration. Stripe coating of complex structures is recommended.
Interbond 201 low temperature grade is not suitable for use in Ballast Holds.
Optimum performance is achieved when Interbond 201 is applied over blasted steel.
In common with all epoxy based coatings Interbond 201 will exhibit chalking of the film on UV exposure.
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
20 lt	16 lt	20 lt	4 lt	5 lt
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 (TYPICAL)

Unit Size	Unit Weight
20 lt	28.93 Kg
5 US gal	59 lb

STORAGE

Shelf Life

Part A - 18 months minimum at 25°C.
Part B - 12 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.

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