

Coating Disbonder

PRODUCT DESCRIPTION A cost effective, pH neutral paint remover for the removal of old paint and coatings systems from steel, concrete, aluminum and other alloys, wood and masonry substrates.

INTENDED USES Devstrip 501 effectively removes latex, alkyd, acrylic paints and many high performance coatings such as two component epoxy and urethane materials.

Ideal for use in refurbishment projects in mines, petrochemical plants, pulp and paper mills and other areas where abrasive blast cleaning and removal is not an option because of environmental and/or worker safety concerns. The paint removal process in the restoration of brick, concrete, wood or sandstone buildings can be completed without the abrasive blasting process, ensuring that the aesthetic qualities and appearance of the original structure are not subjected to any unwanted mechanically imposed physical damage which can occur during mechanical blast cleaning procedures.

PRACTICAL INFORMATION FOR DEVSTRIP 501

Color	Blue gel
Gloss Level	Not applicable
Volume Solids	Not applicable
Typical Thickness	Actual applied thickness depends on the thickness and type of coating to be removed.
Theoretical Coverage	Approximately 2½ gallons per 100 ft² (100 litres per 100 m²).

Method of Application Airless spray, Air spray, Roller, Brush

Drying Time

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			Minimum	Maximum
77°F (25°C)	*	*	Not applicable	Not applicable

* not applicable

REGULATORY DATA

Flash Point (Typical)	>214°F (101°C)	
Product Weight	8.7 lb/gal (1.04 kg/l)	
VOC	460 g/lit (3.83 lbs/gal)	Calculated

See Product Characteristics section for further details

Protective Coatings

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SURFACE PREPARATION

All surfaces to be stripped should be free of dust and oils.

Ensure all areas which are **not** to be stripped are suitably protected; cover or protect areas where the paint is to be left on. Note: Remove any masking tape immediately after application of Devstrip 501 as the remover will release the tape glue onto the substrate or may crawl under the tape, damaging the coating beneath it.

APPLICATION

Mixing	Devstrip 501 is a one component product and should always be mixed thoroughly prior to use.	
Airless Spray	Recommended	Tip Range 25-31 thou (0.64-0.79 mm) Total output fluid pressure at spray tip not less than 2001 psi (140.7 kg/cm ²) See Product Characteristics section for further details
Air Spray (Conventional)	Recommended	
Brush	Suitable - Small areas only	
Roller	Suitable - Small areas only	
Thinner	DO NOT THIN	
Cleaner	Clean Water	
Work Stoppages	Use clean water if necessary.	
Clean Up	Clean all equipment immediately after use with warm, soapy water. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.	

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PRODUCT CHARACTERISTICS

Advantages:

- Extremely effective in the removal of multiple layers of alkyd and latex paints
- Will remove most high performance coatings including two component epoxy, fusion bonded epoxy and many high performance coating systems
- Waterbased
- Low odor
- Contains no methylene chloride, caustics or NMP
- Blue in color to assist with coverage during application
- Biodegradable

For airless spray application: Remove pumps and any metallic objects from drums after spraying; metals catalyze decomposition of hydrogen peroxide which can break down the emulsion, darken the product and reduce its efficacy at the next use.

Coverage: Apply a thick even layer of remover onto the coating to be removed. When removing multiple paint/coating layers of 3-4 mils (75-100 microns), apply a minimum initial application of 8-10 mils (200-250 microns). When removing multiple layers, increase the applied thickness by approximately 2 mils (50 microns) per paint layer. Once applied do not go back over your work as agitating the product slows penetration. The amount of product used is dependent upon coating type, film thickness and ambient substrate temperatures.

Dwell Time: The time required to lift a paint system will vary, depending on:

- type of paint
- number of layers to the substrate
- temperature of the substrate
- ambient temperature.

Allow sufficient dwell time to obtain optimum results. It is always advisable to complete a small test patch to establish proper dwell time. Most paint systems will take between 1 and 6 hours to lift. Some high performance systems or high solids specialty coatings may require up to 48 hours of dwell time. When removing multiple finishes, there may be poor adhesion between the layers. In these cases the remover may lift layers prior to reaching the substrate. Remove the lifted layers and reapply. If the material dries before all paint layers are lifted, reapplication will be necessary. Do not leave the remover on a substrate longer than necessary.

Temperature: Ambient and surface temperatures are critical during the stripping process. Optimum results are achieved with temperatures in the 40-104°F (5-40°C) range. Devstrip 501 is most effective in warm temperatures.

Application in direct sunlight and hot surfaces can cause the remover to dry before the removal process is complete. If the surface starts to dry, reapply remover. Good ventilation should be provided in confined areas.

Removal: Removal of residue can be completed by scraper, squeegee, wet/dry vacuum system or by high pressure (2,500-3,000 psi) waterwash.

Do not store Devstrip 501 or paint waste in metal containers.

Dispose of solid paint waste in accordance with local government regulations.

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in color and normal manufacturing tolerances.

SYSTEMS COMPATIBILITY

Devstrip 501 should never be overcoated with another product.

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ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at www.international-pc.com:

- Definitions & Abbreviations
- Surface Preparation
- Paint Application
- Theoretical & Practical Coverage

Individual copies of these information sections are available upon request.

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS) which International Protective Coatings has provided to its customers.

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.

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.

If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.

PACK SIZE	Unit Size	Vol	Pack
	1 US gal	1 US gal	1 US gal
	5 US gal	5 US gal	5 US gal
For availability of other pack sizes contact International Protective Coatings			
SHIPPING WEIGHT (TYPICAL)	Unit Size		
	1 US gal		9.7 lb
	5 US gal		49.6 lb
STORAGE	Shelf Life	24 months minimum at 77°F (25°C). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.	

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 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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