



Addendum #1

Date: June 12, 2015

Project: Re-Roofing and Roofing Repairs on Building no 35 in Normandin

Bidders must make sure that their bids are based on the latest version of the tender documents published and take into consideration the following amendments and information, including any information provided on amendments or Q&As previously published for this project.

Bidders that do not comply with this requirement will be discarded.

1. INVITATION TO TENDER

REPLACE: "Solicitation Closes: **Monday, June 16, 2015, at 02:00 PM, EDT.**"

WITH: "Solicitation Closes: **Tuesday, June 30, 2015, at 02:00 PM, EDT.**"

2. APPENDIX E – TECHNICAL SPECIFICATIONS AND PLANS – SECTION 09 91 99

REPLACE :

2.3.1.1

1. Aqua-Sol or approved equivalent

WITH :

2.3.1.1

1. The required product is Devprep 88 or approved equivalent. Consult the technical sheet attached.

REPLACE :

2.4 High technology rust converter

- .1 High technology rust converter applied on metal roofing must be applied in two (2) coats and used according to the manufacturer's recommendations.

- .1 Qurox TM MD or approved equivalent

WITH :

2.4 Anti-corrosion epoxy primer

1. Two component aliphatic urethane gloss paint, with high filling properties and chemical hardening.

1. The required product is DEVRAN 201H or approved equivalent. Consult the technical sheet attached.



REPLACE :

2.5 Solvent base polyaspartic coating

- .1 Apply a minimum of two (2) coats of solvent based polyaspartic coating on the metal roofing. Must be used according to the manufacturer's recommendations.
- .1 Epoxylin SPACT or approved equivalent

WITH :

2.5 Finishing Paint

- 1. Two component aliphatic urethane gloss paint, with high filling properties and chemical hardening.
 - 1. The required product is Devthane 359 or approved equivalent. Consult the technical sheet attached. Color Lime Green QC 16065 Mist Green from Vickwest.

ADD :

- 3.1.2 At every application, proceed to PH testing. Keep the numbered and dated tests and provide to the professionals.

3. PARTICULAR SPECIFICATIONS

1. **Snow Guards**

All existing snow guards are maintained for the paint application. They will be prepared, primed and painted the same way as the roof.

2. **Protection Mats**

Protection mats on the flat roofs will be removed and reinstalled by the owner.

3. **Ventilation Unit to be removed**

The Contractor shall remove and transport in the garage the ventilation unit located on the rear roof.

4. **Working hours**

The contractor shall perform the works from Monday to Thursday between 7:00AM and 5:00PM and Friday between 8:00AM and 5:00PM. The contractor must in advance make arrangements to perform works outside of these hours.



5. **Gutters and Downspouts to be replaced**

Plan to replace three (3) gutters and downspouts of 22 m in length in total. Gauge, color, model identical to the existing.

6. **Works Completion**

The works must be completed October 2, 2015 at the latest.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED



DEVPREP® 88

Heavy Duty Cleaner

Cat. # 788T0000

PRODUCT DESCRIPTION

Generic: Water-based surface cleaner

General Description: DEVPREP 88 cleaner is a concentrated water based cleaner low in odor, non-flammable and biodegradable. It dissolves and removes heavy accumulations of hard-to-remove dirt, oil and grease without the use of solvents. The exceptional cleaning and degreasing power of DEVPREP 88 cleaner exceeds that of conventional water-based degreasers. DEVPREP 88 cleaner contains no solvents, phosphates, halogens or alkali hydroxides.

Typical Uses: When old, painted surfaces are made "super-clean" with DEVPREP 88 cleaner, it promotes adhesion as it cleans. Sanding, solvent wiping, grit sweeping and roughing old painted surfaces may be eliminated.

DEVPREP 88 heavy duty cleaner can also be used to clean aluminum, galvanized and other surfaces prior to painting. Also effective, prior to abrasive blasting or application of wetting primers, to remove grease, oil, chlorides or other contaminants.

SPECIFICATION DATA

Color: Clear to slightly hazy

Clean-up Solvent: Water

Weight/Gallon: 8.6 lbs./gal. (1.03 kg/L)

VOC (EPA 24): 0.0 lbs./gal. (0 g/L)

Dilution Ratio: For most applications, DEVPREP 88 Cleaner can be reduced 2 to 3 times with fresh, clean water.

Minimum Dry Time: DO NOT ALLOW TO DRY.

Shelf Life: 24 months minimum at 77°F (25°C) – unopened
pH: 11.0 – 13.5

Systems: Please consult the appropriate system guide, the particular job specification or your ICI Paints Representative for proper systems using this product. Systems must be selected considering the particular environment involved.

FEATURES

Advantages:

- Promotes adhesion as it cleans
- Powerful degreaser
- Solvent free
- Biodegradable
- Easy to apply, low odor
- May eliminate costly abrasive sweeping
- Contains no phosphates, halogens or alkali hydroxides
- Formulated without lead or mercury containing materials
- Dramatically improves recoatability of aged, painted surfaces

Limitations of Use: DEVPREP 88 cleaner must not be allowed to dry on the surface. Do not apply under freezing conditions. Do not apply to glass surfaces, metallic automobile finishes, aluminum surfaces which will remain unpainted or strong alkali sensitive painted surfaces. May dull glossy surfaces. Do not discharge into natural waters.



PERFORMANCE DATA

Chemical Oxygen Demand (COD) 215,000 mg/L

Biochemical Oxygen Demand (BOD) 164,000 mg/L (20 days, 20°C)

Based on these results, DEVPREP 88 Cleaner is considered readily biodegradable.

Read Label and Material Safety Data Sheet Prior to Use. See other cautions on last page. DSF1-0690

9 FINISHES SPECIAL COATINGS (9800)

DEVOE COATINGS



DEVOE COATINGS

9 FINISHES SPECIAL COATINGS (9800)

09800

GENERAL SURFACE PREPARATION

DEVPREP® 88 cleaner is ideal for cleaning intact painted surfaces in preparation for repainting. It is also useful in cleaning rusted steel, galvanized metal, and masonry surfaces. DEVPREP 88 cleaner is particularly useful for cleaning dirty, greasy concrete floors, walls, machinery, and equipment in industrial and commercial environments.

Rinse surrounding vegetation and/or cover at all times while cleaner is in use.

DIRECTIONS FOR USE

For most applications, DEVPREP 88 cleaner can be reduced 2 or 3 times with fresh, clean water. Test cleaning a small area may be used to determine proper dilution levels and to insure compatibility with the substrate. Adequate protective equipment and clothing such as rubber gloves and protective eyewear are recommended. Apply the solution with brush, roller, mop or low pressure spray. If surface is hot, wet before applying cleaner solution. Moderate scrubbing will aid in performance and speed of cleaning. Allow cleaner to remain for five to ten minutes, but do not allow

the surface to dry. Rinse with large amounts of clean water. For large surfaces, rinsing with a power washer (1500 psi minimum) is recommended. A thorough rinsing is very important. All of the DEVPREP 88 cleaner must be removed. Do not allow the cleaner to dry on the surface. When completely removed, the surface will no longer foam when rinsed. Allow the surface to dry thoroughly before applying any coatings.

PRECAUTIONS

WARNING! CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD-CAN ENTER LUNGS AND CAUSE DAMAGE. CAUSES RESPIRATORY TRACT IRRITATION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. For emergency information call (800) 545-2643. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information.** If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe the vapors or spray mist. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. **FIRST AID:** In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. Remove contaminated clothing. For eye contact, flush immediately with large amounts of water, for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, get medical help. **KEEP FROM FREEZING.**

DS169-1003

SHIPPING

Flash point: None
Packaging: 1 gallon (3.785L)
5 gallon (18.925L)

Shipping Weight: 4 - 1 gallon case - 36 lbs. (16.3 kg)
5 gallon - 45 lbs. (20 kg)

88 (05/07)
Ad Stock #68662C

DEVOE
HIGH PERFORMANCE
COATINGS

Strongsville, Ohio U.S.A.
800-654-2616
www.devocoatings.com

LIMITATION OF LIABILITY: To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained therein. WE MAKE NO OTHER WARRANTY OR GUARANTEE OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Liability, if any, is limited to replacement of the product or refund of the purchase price. LABOR OR COST OF LABOR AND OTHER CONSEQUENTIAL DAMAGES ARE HEREBY EXCLUDED.

Devran® 201H

Epoxy



PRODUCT DESCRIPTION

A high performance, chemically cured, rust inhibitive epoxy primer for interior or exterior steel, galvanized metal or aluminium surfaces.

INTENDED USES

An excellent holding primer with superior aged recoatability. Also may be used on concrete and masonry.

Provides excellent adhesion and corrosion resistance for metal substrates such as steel structural members, machinery, equipment, piping and tanks in all industrial environments. May be used for both interior and exterior applications in chemical, fertiliser & power plants, petroleum refineries, pulp and paper mills, water and sewage treatment plants and mining operations.

Also for use as an excellent prime coat in the hard service areas public and private institutional, educational, and commercial buildings.

Suitable for water immersion when topcoated with an appropriate finish coat.

Performance alternate for Federal Specification MIL-DTL-24441 (Formula 150)

PRACTICAL INFORMATION FOR DEVRAN 201H

Colour	Light Grey
Gloss Level	Matt
Volume Solids	58%± 2%
Typical Thickness	50-75 microns (2-3 mils) dry equivalent to 86-129 microns (3.4-5.2 mils) wet
Theoretical Coverage	9.20 m ² /litre at 63 microns d.f.t and stated volume solids 369 sq.ft/US gallon at 2.5 mils d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless Spray, Roller, Air Spray, Brush

Drying Time

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			Minimum	Maximum
0°C (32°F)	*	60 hours	8 hours	Extended ¹
10°C (50°F)	*	10 hours	3 hours	Extended ¹
20°C (68°F)	*	6 hours	1 hour	Extended ¹
25°C (77°F)	*	5 hours	1 hour	Extended ¹

¹ See International Protective Coatings' Definitions and Abbreviations. The extended recoat time is with itself or other epoxy finish. See Product Characteristics section for further details.

* not applicable

REGULATORY DATA

Flash Point (Typical)	Part A 28°C (82°F); Part B 25°C (77°F); Mixed 27°C (81°F)
Product Weight	1.44 kg/l (12.0 lb/gal)
VOC	2.72 lb/gal (327 g/l) EPA Method 24

See Product Characteristics section for further details

Devran® 201H

Epoxy

SURFACE PREPARATION

All surfaces must be sound, dry, clean, free of oil, grease, dirt, mildew, curing compounds, loose and flaking paint and other foreign substances.

New Surfaces:

Steel

Best results are obtained over a surface abrasive blasted to commercial blast cleanliness (SSPC-SP10) or ISO 8501-1:2007 Sa2½. Performance over hand or power tool cleaned surfaces is dependent on the degree of cleaning.

Concrete and Masonry:

Cure at least 30 days before painting. pH must be 10.0 or lower. Roughen slick poured or pre-cast concrete by acid etching or sand sweeping. Follow acid manufacturer's application and safety instructions. Rinse thoroughly and allow to dry. Remove loose aggregate. Prime with this product.

Galvanized Steel:

Allow to weather a minimum of six months prior to coating. Solvent clean as per SSPC-SP-1 or clean with Devprep 88 or other suitable cleaner followed by thorough water rinsing. When weathering is not possible or the surface has been treated with chromates or silicates, first clean by the method intended to be used on the job and apply a test patch of the coating system specified. Allow product(s) to dry and cure at least one week before testing adhesion per ASTM D 3359. If adhesion is poor, brush blast then prime with this product.

Aluminum:

Remove oils and dirt by solvent cleaning or with Devprep 88 or other suitable cleaner followed by a thorough water rinsing and then prime with this product.

Previously Painted Surfaces:

If the old paint is more than 25% failed by rusting, peeling, or flaking, it must be removed and treated as in New Surfaces. If less than 25% has failed, remove failed coatings back to a firm edge, clean and spot-prime with this product. Scuff sand glossy areas and aged epoxy coatings.

APPLICATION

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 Initiator (Part B) with Base (Part A) and mix thoroughly with power agitator.
Mix Ratio	9 part(s) : 1 part(s) by volume	
Working Pot Life	20°C (68°F)	25°C (77°F)
	12 hours	12 hours
Airless Spray	Recommended	Tip Range 0.48-0.63 mm (19-25 thou) Adjust pressure as needed
Brush	Suitable	
Roller	Suitable	
Thinner	Not normally required	See Product Characteristics section for further details
Cleaner	T-10 Thinner	
Work Stoppages	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with T-10 Thinner. 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 Up	Clean all equipment immediately after use with T-10 Thinner. 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 material and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.	



Devran® 201H

Epoxy

PRODUCT CHARACTERISTICS

Advantages:

- Excellent adhesion
- Excellent holding primer
- Excellent corrosion resistance
- Excellent aged recoatability
- Easily applied by brush, roller, or spray
- Convenient, light gray colour making it easy to overcoat
- Formulated without lead, chromate, or mercury containing materials
- Ideal tie-coat over inorganic zincs
- Versatile – for use on most substrates under many different types of topcoats
- Suitable for water immersion when topcoated with an appropriate finish coat

Compliant with OTC VOC regulations

Meets MPI category #101

Where Devran 201H is to be overcoated with Devthane 359, 359H, 349QC or 389 finish coats, the following maximum overcoating intervals will apply;

	Maximum
0°C (32°F)	14 days
10°C (50°F)	14 days
20°C (68°F)	14 days
25°C (77°F)	14 days

Where Devran 201H is to be overcoated with Devthane 378 or 379 finish coats, the following maximum overcoating intervals will apply;

	Maximum
0°C (32°F)	5 days
10°C (50°F)	5 days
20°C (68°F)	5 days
25°C (77°F)	5 days

For compliance to VOC regulations, thin as follows:

In TBAC exempt areas: Thinning is not normally required or desired; however, at extreme environmental conditions, small amounts (10% or less by volume) of the TBAC Thinner, T-0 Thinner or other solvent in compliance with local VOC regulations can be added.

In TBAC non-exempt areas: Thinning is not normally required or desired; however, at extreme environmental conditions, small amounts (5% or less by volume) of T-10 Thinner can be added depending on local VOC and air quality 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 colour and normal manufacturing tolerances.

SYSTEMS COMPATIBILITY

The following primers are recommended for Devran 201H:

Cathacoat 302H	Cathacoat 302HB
Cathacoat 304L	Cathacoat 304V

The following topcoats are recommended for Devran 201H:

Bar-Rust 235	Bar-Rust 236
Devthane 349QC	Devthane 359
Devthane 378	Devthane 379
Devthane 389	Tru-Glaze-WB 4406
Tru-Glaze-WB 4408	Tru-Glaze-WB 4426
Tru-Glaze-WB 4428	



Devran® 201H

Epoxy



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	Part A		Part B	
		Vol	Pack	Vol	Pack
	1 US gal	0.9 US gal	1 US gal	0.1 US gal	1 US quart
	5 US gal	4.5 US gal	6 US gal	0.5 US gal	1 US gal

For availability of other pack sizes, contact International Protective Coatings.

SHIPPING WEIGHT (TYPICAL)	Unit Size	Part A	Part B
	1 US gal	11.8 lb	1.3 lb
5 US gal	54.9 lb	6.2 lb	

STORAGE	Shelf Life	24 months minimum at 25°C (77°F). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.
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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.

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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www.international-pc.com

PRODUCT DESCRIPTION

A high build, high performance, two-component chemically-cured aliphatic urethane gloss finish.

INTENDED USES

For use on properly prepared steel, galvanized, aluminium and properly prepared concrete floors. Ideal for use on exterior or interior structural steel, piping, metal buildings, conveyors, pumps, storage tank exteriors, wind turbine towers, motors, machinery, and transportation vehicles.

Can also be used in the hard service areas of food processing plants, dairies, schools, restaurants, hospitals, correctional facilities, factories, stadiums, arenas, and amusement parks.

PRACTICAL INFORMATION FOR DEVTHANE 359

Colour	White, Black and custom colours			
Gloss Level	Gloss			
Volume Solids	60%± 2%			
Typical Thickness	100-150 microns (4-6 mils) dry equivalent to 167-250 microns (6.7-10 mils) wet			
Theoretical Coverage	4.80 m ² /litre at 125 microns d.f.t and stated volume solids 192 sq.ft/US gallon at 5 mils d.f.t and stated volume solids			
Practical Coverage	Allow appropriate loss factors			
Method of Application	Airless Spray, Roller, Air Spray, Brush			
Drying Time	Overcoating interval with self			
Temperature	Touch Dry	Hard Dry	Minimum	Maximum
5°C (41°F)	*1	14 hours	8 hours	2 weeks
15°C (59°F)	*1	9 hours	5 hours	2 weeks
25°C (77°F)	*1	5 hours	3 hours	2 weeks
*1 Not applicable				

REGULATORY DATA

Flash Point (Typical)	Part A 27°C (81°F); Part B 27°C (81°F); Mixed 27°C (81°F)		
Product Weight	1.24 kg/l (10.3 lb/gal)		
VOC	2.83 lb/gal (340 g/lit)	EPA Method 24	
See Product Characteristics section for further details			



SURFACE PREPARATION

Surfaces must be dry, clean, free of oil, grease, form release agents, curing compounds, laitance, other foreign matter and be structurally sound. Remove all loose paint, mortar spatter, mill scale, and rust.

New Surfaces
Steel:

Abrasive blast to minimum SSPC-SP6 or ISO8501-1:2007 Sa2½ commercial blast. The blast profile should be jagged rather than "peened" and between 38-62 microns (1.5 to 2.5 mils). After blasting, vacuum or blow off all abrasive dust and ensure surface remains clean before painting.

To ensure optimum appearance, any primer or undercoat should be smooth and free of any surface defects such as runs, dry spray or heavy orange peel. Prime using: Bar-Rust 231, Bar-Rust 235 or Bar-Rust 233H.

Galvanized Steel and Aluminium

Remove dirt and oils by solvent cleaning or with Devprep 88 Cleaner or other suitable cleaner followed by a thorough water rinsing. Prime using an approved primer. For direct to metal use, brush blast to a standard similar to SSPC-SP-7 or ISO 8501-1:2007 Sa1 to create a surface profile. Prime using: Devran 201H or Devran 203.

Concrete Block:

Remove loose aggregate and repair voids. Fill with Devthane 359 or Bar-Rust 235, Bar-Rust 233H epoxies or Tru-Glaze-WB 4015 filler.

Concrete Floors, Poured Concrete:

Cure at least 30 days. Acid etch or abrasive blast slick, glazed concrete or concrete with laitance. Prime using: Devran 224HS, Bar-Rust 235, Bar-Rust 233H or Pre-Prime 167

Previously Painted Surfaces:

Old coatings should be tested for lifting or bleeding. If they are, they should be removed. Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove all debris. Prime bare areas with primer specified under New Surfaces.

Drywall:

Prime with a premium acrylic latex vapor barrier primer sealer.

Fiberglass

Solvent wipe, scuff sand and solvent wipe again. Prime with Devran 201H epoxy.

APPLICATION

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.		
Mix Ratio	4 part(s) : 1 part(s) by volume		
Working Pot Life	5°C (41°F) 10 hours	15°C (59°F) 9 hours	25°C (77°F) 8 hours
Airless Spray	Recommended	Tip Range 0.38-0.48 mm (15-19 thou) Total output fluid pressure at spray tip not less than 211 kg/cm ² (3000 p.s.i.) See Product Characteristics section for further details	
Air Spray (Conventional)	Recommended	See Product Characteristics section for further details	
Brush	Suitable		
Roller	Suitable		
Thinner	T-9 Thinner (or T-17 Thinner)	See Product Characteristics section for further details	
Cleaner	T-9 Thinner		
Work Stoppages	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with T-9 Thinner. 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 Up	Clean all equipment immediately after use with T-9 Thinner. 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 material and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.		

**PRODUCT
CHARACTERISTICS****Advantages:**

- Excellent gloss and colour retention
- Excellent abrasion and chemical resistance
- Low VOC
- Easily applied by brush, roller or spray
- Wide colour selection
- Excellent resistance to marring, chipping, and scratching
- High build requires less coats
- May be applied direct to metal (refer to surface preparation requirements)

Thinning is not normally required. However, depending on local VOC and air quality regulations, small amounts (5% or less) of T-9 Thinner may be added. Small amounts (5% or less) of T-17 Thinner may improve roller, brush or spray application. If local VOC and/or air quality regulations are not an issue, and depending on the individual set-up of the spray equipment, additional thinning may be allowed to obtain the desired individual finish.

Tint the appropriate base using industrial colourants.

For airless spray application: Ideally, fluid hoses should not be less than 3/8" ID and not longer than 50 feet to obtain optimum results. Longer hose length may require an increase in pump capacity, pressure, and/or thinning.

For air spray application: Use a professional grade conventional gun with a 1.78mm (0.07") fluid tip or larger. Adjust fluid and air pressure to achieve a good spray pattern. Devthane 359 reacts with atmospheric moisture, and as such when in the can should remain covered at all times. Failure to keep tin covered will result in skinning of paint and loss of pot life.

Care should be taken that proper and uniform film thicknesses are obtained. Brushing and rolling may require multiple coats to achieve correct film thickness and/or hiding.

The maximum operating temperature for Devthane 359 is 120°C (248°F).

Exposure to continuous operating temperatures towards the maximum dry temperature resistance of this product may induce some discolouration, though the film will remain intact.

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 colour and normal manufacturing tolerances.

Low molecular weight reactive additives, which will form part of the film during normal ambient cure conditions, will also affect VOC values determined using EPA Method 24.

**SYSTEMS
COMPATIBILITY**

The following primers are recommended for Devthane 359:

Bar-Rust 231	Bar-Rust 233H
Bar-Rust 235	Cathacoat 302H
Cathacoat 302HB	Cathacoat 313
Cathacoat 303	Devran 203
Devran 201H	Devran 261QC
Devran 223	Tru-Glaze-WB 4015
Devran 224V	Tru-Glaze-WB 4030

ADDITIONAL INFORMATION

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- 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	Part A		Part B	
		Vol	Pack	Vol	Pack
	1 US gal	0.8 US gal	1 US gal	0.2 US gal	1 US quart
	5 US gal	4 US gal	5 US gal	1 US gal	1 US gal

For availability of other pack sizes, contact International Protective Coatings.

SHIPPING WEIGHT (TYPICAL)	Unit Size	Part A	Part B
	1 US gal	11.9 lb	1.5 lb
	5 US gal	52.7 lb	13.2 lb

STORAGE	Shelf Life	24 months minimum at 25°C (77°F). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

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 International Paint representative that this data sheet is current prior to using the product.

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