

Epoxy

PRODUCT DESCRIPTION	A two component, 100% solids, solvent free epoxy caulking compound.			
INTENDED USES	Use to build up coves, seal edges and repair pits in tanks to provide a smooth continuous surface.			
PRACTICAL INFORMATION FOR DEVMAT 142HB	Colour	Grey		
	Gloss Level	Semi-gloss		
	Volume Solids	100%		
	Typical Thickness	450-550 microns (18-22 mils) dry equivalent to 450-550 microns (18-22 mils) wet		
	Theoretical Coverage	2 m ² /litre at 500 microns d.f.t and stated volume solids 80 sq.ft/US gallon at 20 mils d.f.t and stated volume solids		
	Practical Coverage	Allow appropriate loss factors		
	Method of Application	Trowel, Knife		
	Drying Time	Overcoating Interval with recommended topcoats		
	Temperature	Touch Dry	Hard Dry	
	25°C (77°F)	*	24 hours	24 hours 72 hours
	* not applicable			
REGULATORY DATA	Flash Point (Typical)	Part A 93°C (199°F); Part B 93°C (199°F); Mixed 93°C (199°F)		
	Product Weight	1.32 kg/l (11.0 lb/gal)		
	VOC	0.15 lb/gal (19 g/l) EPA Method 24		
	See Product Characteristics section for further details			

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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

Surfaces must be abrasive blast cleaned in accordance with SSPC-SP10 or ISO8501-1:2007 Sa2½, with a sharp, angular surface profile of 50-73 microns (2-3 mils).

Other surfaces must be clean, free of oil, dirt, release compounds and other foreign matter.

Previously Painted Surfaces

Devmat 142HB may not be applied to existing coatings. All coatings must be removed by abrasive blast cleaning to the standard required for new surfaces.

APPLICATION

Mixing	Material is supplied in two containers as a unit. 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. Do not mix more material than can be applied within the recommended pot life.	
Mix Ratio	1 part(s) : 1 part(s) by volume	
Working Pot Life	25°C (77°F) 45 minutes	
Airless Spray	Not suitable	
Trowel	Recommended	See Product Characteristics section for further details
Thinner	Do not thin	
Cleaner	T-10 Thinner	In the SCAQMD region, use acetone or other solvent in compliance with local VOC and air quality regulations.
Work Stoppages	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with T-10 Thinner (outside of SCAQMD) or #4267 solvent (inside SCAQMD). 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 (outside of SCAQMD) or #4267 solvent (inside SCAQMD). 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.	

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PRODUCT CHARACTERISTICS

Advantages:

- Excellent chemical and solvent resistance
- Applies up to 3/4 inch in one application

Apply the mixed components by trowel or other type of spreading tool to the prepared surface. After curing hard, the surface can be sanded. If using a reinforcing wrap first, apply a thick coating of Devmat 142HB, then wrap tightly with the glass cloth to insure good contact in all areas. A final application of Devmat 142HB completes the operation.

For optimum application and drying characteristics, the air and substrate temperature should be greater than 10°C (50°F) and relative humidity less than 85%.

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 topcoats are recommended for Devmat 142HB:

Bar-Rust 231	Bar-Rust 231LV
Bar-Rust 233H	Bar-Rust 233H LV
Bar-Rust 235	Bar-Rust 235V
Bar-Rust 236	Devchem 253
Devchem 257	Devmat 100
Devmat 101	Devmat 108
Devmat 111	Devran 124
Devran 224HS	Devtar 247

The following primers are recommended for Devmat 142HB:

Bar-Rust 233H	Bar-Rust 236
Devchem 253	Devchem 256

(Overcoating intervals for primers must be specifically adhered to); consult the relevant product datasheet).

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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	Part A		Part B	
		Vol	Pack	Vol	Pack
	1 US gal	1 US gal	1 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	
		11 lb		11 lb	
	1 US gal				
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 representative that this data sheet is current prior to using the product.

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