

Epoxy Novolac

PRODUCT DESCRIPTION 100% solids novolac epoxy coating with excellent chemical resistance properties which may be applied on both vertical and horizontal surfaces.

INTENDED USES For use as an excellent secondary containment coating with good chemical resistance. Also recommended for use on concrete floors in a wide range of facilities where abrasion resistance is required. May be applied to vertical surfaces up to 12.0 mils dft in one application.

PRACTICAL INFORMATION FOR DEVRAN 124

Colour	Grey
Gloss Level	Gloss
Volume Solids	100%
Typical Thickness	500-625 microns (20-25 mils) dry equivalent to 500-625 microns (20-25 mils) wet
Theoretical Coverage	2.20 m ² /litre at 463 microns d.f.t and stated volume solids 87 sq.ft/US gallon at 18.5 mils d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Roller, Trowel, Squeegee

Drying Time

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			Minimum	Maximum
15°C (59°F)	*	*	25 hours	48 hours
20°C (68°F)	*	*	7 hours	24 hours
30°C (86°F)	*	*	5 hours	8 hours

* not applicable

REGULATORY DATA **Flash Point (Typical)** Part A 93°C (199°F); Part B 92°C (198°F); Mixed 93°C (199°F)

Product Weight 1.38 kg/l (11.5 lb/gal)

VOC 0.29 lb/gal (35 g/lit) EPA Method 24

See Product Characteristics section for further details

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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:

Concrete:

All surfaces must be brush blasted or power scarified. Care must be taken to ensure that the substrate to be covered is sound, clean and free of all laitance or other contaminants. Allow new concrete to cure for 30 days minimum. Seal the properly prepared surface with Pre-Prime 167 sealer.

Steel

Abrasive blast to minimum SSPC-SP10 or ISO8501-1:2007 Sa2½. The blast profile should be jagged rather than “peened” and between 1.5 to 2.5 mils (38-62 microns). After blasting, vacuum or blow off all abrasive dust and ensure surface remains clean before painting.

Previously Painted Surfaces

Devran 124 may not be applied to existing coatings. All coatings must be removed and substrates treated as for New Surfaces.

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	1 part(s) : 1 part(s) by volume	
Working Pot Life	25°C (77°F) 30 minutes	
Roller	Recommended	
Trowel	Recommended	
Thinner	Do not thin	
Cleaner	T-10 Thinner	In the SCAQMD region, use T-0 Thinner 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. 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.	

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PRODUCT CHARACTERISTICS

Advantages:

- High chemical resistance
- High impact and abrasion resistance
- Low odour application
- Resistant to 98% sulfuric acid and 37% hydrochloric acid for splash, spills and secondary containment
- Resistant to dilute organic acids, alkalies and organic solvents in splash spillage conditions
- Excellent secondary containment lining
- Can be applied up to 1/2" thick on horizontal surfaces
- May be applied up to 12 mils on vertical surfaces
- Can be used as a broadcast, slurry or troweled system

Devran 124 is not intended to be used as a cosmetic finish and colour stability will not be achievable.

Apply in good weather, when air and surface temperatures are above 10°C (50°F). Application below this temperature may compromise chemical resistance.

Optimum application properties and working life of the coating are obtained when the mixed components are at 77°F (25°C) and every effort should be made to keep material to this temperature.

Devran 124 can be applied to floors and decks with a spreader, squeegee or roller. If air entrapment is encountered, use a "porcupine" or another type of air release roller tool.

Where plural component airless spray equipment is used, a 45 to 1 pump equipped with a 1:1 cylinder pump should be used. All plural component applications require a volumetric check of the mix ratio.

A minimum of 24 hours cure at temperatures above 25°C (77°F) is required before the Devran 124 can withstand light traffic. Full chemical resistance is achieved only after 7 days cure at 25°C (77°F).

Although Devran 124 is solventless, good ventilation with dry air is required for the protection of the applicator, to prevent condensation and to obtain proper coating performance. Ventilation should be maintained throughout the cure period. Be sure the air in the lowest areas is constantly replaced with fresh, dry air. Longer curing times with ventilation are required if temperatures are lower than 25°C (77°F).

When applying specialized sealer coats for anti-slips and chemical resistant properties, be sure to follow recommended recoat intervals.

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

Devran 124 is intended for use as a single product system and as such, should not be overcoated with any other 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	Part A		Part B	
		Vol	Pack	Vol	Pack
	1 US gal	1 US gal	1 US gal	1 US gal	1 US gal
	5 US gal	5 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	Part A		Part B	
	1 US gal	13.9 lb		10.8 lb	
	5 US gal	69.9 lb		54.4 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 representative that this data sheet is current prior to using the product.

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