Intergard® 7562

Epoxy

PRODUCT DESCRIPTION

A low VOC, two component, internally flexibilised, high build, surface tolerant epoxy primer. Pigmented with aluminium for increased corrosion resistance. HAPs free.

INTENDED USES

Suitable for use during new construction or maintenance and repair.

Ideal for use in conjunction with wet or dry abrasive blasting when utilised at new construction.

Can also be used as a high performance industrial maintenance coating on a wide variety of surfaces including hand or power tool cleaned rusty steel.

PRACTICAL INFORMATION FOR INTERGARD 7562

Colour	Aluminium
Gloss Level	Eggshell
Volume Solids	90%
Typical Thickness	75-150 microns (3-6 mils) dry equivalent to 83-167 microns (3.3-6.7 mils) wet
Theoretical Coverage	7.20 m²/litre at 125 microns d.f.t and stated volume solids 289 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, Air Spray, Brush, Roller

Drying Time

			Overcoating Interval with recommended topcoats	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
25°C (77°F)	5 hours	9 hours	9 hours	10 days

For cure times at elevated baking temperatures, please refer to page 3 Product Characteristics.

REGULATORY DATA

Flash Point (Typical)	Part A 67°C (152°F); Part B 108°C (226°F); Mixed 69°C (156°F)	
Product Weight	1.31 kg/l (10.9 lb/gal)	
VOC	1.35 lb/gal (162 g/lt)	EPA Method 24

See Product Characteristics section for further details

Intergard® 7562

Epoxy

SURFACE PREPARATION

The performance of this product will depend upon the degree of surface preparation. The surface to be coated must be clean and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally be adequate for accumulated dirt. Soluble salts should be removed by fresh water washing.

Abrasive Blast Cleaning

Intergard 7562 may be applied to a surface abrasive blast cleaned to a minimum Sa1 (ISO 8501-1:2007) C or D grade rusting, or SSPC SP7.

Hand or Power Tool Preparation

Hand or power tool clean to a minimum of St2 (ISO 8501-1:2007) or SSPC-SP2.

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) or SSPC-SP6. Typically this would apply to C or D grade rusting in this standard.

On hot steel surfaces, cleaning to a minimum St3 (ISO 8501-1:2007) or SSPC SP3 is required. Optimum performance will be achieved from SPPC-SP11 for hand preparation, or blasting to Sa2 (ISO 8501-1:2007) or SSPC-SP6.

Ultra High Pressure Hydroblasting / Abrasive Wet Blasting

May be applied to surfaces prepared to Sa2½ (ISO 8501-1:2007) or SSPC-SP6 which have flash rusted to no worse than Grade HB2½M (refer to International Hydroblasting Standards) or Grade SB2½M (refer to International Slurry Blasting Standards). It is also possible to apply to damp surfaces in some circumstances. Further information is available from International Protective Coatings.

Aged Coatings

Intergard 7562 is suitable for overcoating aged coatings which show good adhesion. Loose or flaking coatings should be removed back to a firm edge. Existing epoxy or polyurethane systems which are glossy may require abrasion to ensure good intercoat adhesion..

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

3 part(s) : 1 part(s) by volume

Working Pot Life

10°C (50°F)	15°C (59°F)	25°C (77°F)	40°C (104°F)
2 hours	1.5 hours	1 hour	30 minutes

Airless Spray	Suitable	Tip Range 0.43-0.58 mm (17-23 thou) Total output fluid pressure at spray tip not less than 176 kg/cm² (2503 p.s.i.)	
Air Spray (Pressure Pot)	Suitable	Gun Air Cap Fluid Tip	DeVilbiss MBC or JGA 704 or 765 E
Brush	Recommended	Typically 75-125 microns (3.0-5.0 mils) can be achieved	
Roller	Recommended	Typically 75-100 microns (3.0-4.0 mils) can be achieved	
Thinner	International GTA415 (or International GTA220)	Do not thin more than allowed by local environmental legislation	

Cleaner

International GTA415 (or International GTA822)

Work Stoppages

Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA415. 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 International GTA415.

It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency should 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

Intergard 7562 is the preferred product for application to hand prepared rusty steel, and is particularly suitable as a patch primer. In these circumstances, application should be performed by brush to ensure good wetting of the hand prepared substrate. For larger areas which have been prepared by power tool cleaning, or brush blast, other products may be suitable. Please consult International Protective Coatings for details.

In order to ensure good anti-corrosive performance, it is important to achieve a minimum system dry film thickness of 200 microns (8 mils) by application of multi-coats over hand prepared steel.

When applying Intergard 7562 by brush or roller, it may be necessary to apply multiple coats to achieve the total specified system dry film thickness.

Elevated Temperature (Baked) Curing

			Overcoating Interval with recommended topcoats	
Temperature	Touch Dry	Hard Dry	*Minimum*	*Maximum*
49°C (120°F)	2 hours	4 hours	4 hours	10 days
60°C (140°F)	30 minutes	1 hour	1 hour	10 days

This information relates to curing at elevated temperatures. It is **not** intended that the coating be applied at these temperatures and for safety reasons it is recommended that a flash-off period of 15 -20 minutes is observed before heating above 100°F (38°C).

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

Intergard 7562 will generally be applied to bare steel but is fully compatible for overlap onto most aged coatings.

For suitable topcoats/intermediates, consult International Protective Coatings.

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
4 US gal	3 US gal	5 US gal	1 US gal	1 US gal
200 US gal[1]	150 US gal[1]	55 US gal[1]	50 US gal[1]	55 US gal[1]

[1] The unit is supplied as: 3 x 50 US gallons Part A in 55 US gallon drums; 1 x 50 US gallons Part B in a 55 US gallon drum
For availability of other pack sizes, contact International Protective Coatings.

SHIPPING WEIGHT (TYPICAL)

Unit Size	Part A	Part B
4 US gal	85.3 lb	20.5 lb
200 US gal[1]	1877.8 lb[1]	476.1 lb[1]

[1] The unit is supplied as: 3 x 627 lb Part A; 1 x 477 lb Part B

STORAGE

Shelf Life	12 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

Issue date: 05/02/2015

www.international-pc.com