Intergard® 7500

Epoxy

PRODUCT DESCRIPTION

A two component, high volume solids, abrasion resistant pure epoxy coating pigmented with aluminium that provides excellent long term anti-corrosive protection. Intergard 7500 is capable of fast cure and has low temperature cure properties.

INTENDED USES

Ideally suited for use as a universal primer on offshore platforms and floating production and storage facilities on areas such as underwater hull, topsides, external superstructure, decks, cargo tanks and ballast tanks. Can be applied directly to mechanically prepared shop primer or suitably prepared bare steel. Suitable for use with cathodic protection.

PRACTICAL INFORMATION FOR INTERGARD 7500

Colour	Aluminium, Bronze, Light Red
Gloss Level	Not applicable
Volume Solids	80%
Typical Thickness	100-200 microns (4-8 mils) dry equivalent to 125-250 microns (5-10 mils) wet
Theoretical Coverage	6.40 m²/litre at 125 microns d.f.t and stated volume solids 257 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, Brush

Drying Time

			Overcoating interval with self	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
-5°C (23°F)	7 hours	21 hours	21 hours	14 days
5°C (41°F)	4 hours	14 hours	10 hours	14 days
25°C (77°F)	60 minutes	3 hours	3 hours	14 days
35°C (95°F)	30 minutes	2 hours	2 hours	14 days

Values refer to immersion service; for atmospheric service, see Product Characteristics section.

REGULATORY DATA

Flash Point (Typical)	Part A 36°C (97°F); Part B 32°C (90°F); Mixed 34°C (93°F)	
Product Weight		
VOC	1.56 lb/gal (188 g/lt)	EPA Method 24
	170 g/lt	Chinese National Standard GB23985
	239 g/lt in accordance with Korea Clean Air Conservation Act	

Coating hazard marker GB 30981.2-S-Pb≤1000-NC Qualified for GB 30981.2-2025

See Product Characteristics section for further details

SURFACE PREPARATION

All surfaces to be coated should be clean and free from contamination. Prior to application all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Abrasive Blast Cleaning

Abrasive blast clean to Sa2½ (ISO 8501-1:2007) or SSPC-SP10. If oxidation has occurred between blasting and application of Intergard 7500, the surface should be reblasted to the specified visual standard. Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner.

Areas of breakdown, damage etc., should be prepared to the specified standard (e.g Sa2½ (ISO 8501-1:2007) or SSPC-SP6, Abrasive Blasting, or SSPC-SP11, Power Tool Cleaning) and patch primed prior to the application of Intergard 7500.

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

-5°C (23°F)	5°C (41°F)	25°C (77°F)	35°C (95°F)
7 hours	5 hours	90 minutes	60 minutes

Airless Spray	Recommended	Tip Range 0.63-0.79 mm (25-31 thou) Total output fluid pressure at spray tip not less than 211 kg/cm² (3000 p.s.i.)
Air Spray (Pressure Pot)	Not recommended	
Brush	Recommended - Small areas only	Multiple coats may be required to achieve specified film thickness.
Roller	Recommended - Small areas only	Multiple coats may be required to achieve specified film thickness.
Thinner	International GTA220	A maximum of 5% solvent may be added. Do not thin more than allowed by local environmental legislation
Cleaner	International GTA822 or International GTA220	Choice of cleaner maybe subject to local legislation. Please consult your local representative for specific advice.

Work Stoppages

Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA822 or International GTA220. 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 GTA822 or International GTA220. 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 materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

PRODUCT CHARACTERISTICS

Maximum film build in one coat is best attained by airless spray. When applying by methods other than airless spray, the required film build is unlikely to be achieved.

Low or high temperatures may require specific application techniques to achieve maximum film build.

When applying Intergard 7500 by brush or roller, it may be necessary to apply multiple coats to achieve the total specified system dry film thickness.

Intergard 7500 may be applied at substrate temperatures down to -15°C. Before applications are made below -5°C consult your local IP representative for further detail of application procedure.

Overcoating Intervals with Recommended Topcoats (Atmospheric Service Conditions)

Recommended Topcoat	-5°C (23°F)		5°C (41°F)		25°C (77°F)		35°C (95°F)	
	Min	*Max*	*Min*	*Max*	*Min*	*Max*	*Min*	*Max*
Intergard 7500	21 hours	6 months	10 hours	6 months	3 hours	6 months	2 hours	3 months
Interthane 990	21 hours	8 days	10 hours	7 days	3 hours	5 days	2 hours	3 days

Surface temperature must always be a minimum of 3°C (5°F) above dew point.

When applying Intergard 7500 in confined spaces ensure adequate ventilation.

In common with all epoxies Intergard 7500 will chalk and discolour on exterior exposure. However, these phenomena are not detrimental to anti-corrosive performance.

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

Intergard 7500 is normally applied direct to metal.

The following topcoats are recommended for Intergard 7500:

Intergard 7500
Interthane 990
Interthane 990E

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 Safety Data Sheet and the container(s), and should not be used without reference to the Safety Data Sheet (SDS).

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 AkzoNobel for further advice.

PACK SIZE

Unit Size	Part A		Part B	
	Vol	Pack	Vol	Pack
15 litre	11.25	18 litre	3.75 litre	4 litre
20 litre	15 litre	20 litre	5 litre	5 litre

For availability of other pack sizes, contact AkzoNobel.

SHIPPING WEIGHT (TYPICAL)

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

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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