Interlac® 648

Alkyd

PRODUCT DESCRIPTION

A single component, speciality fluorescent alkyd coating specifically formulated to provide maximum visibility.

INTENDED USES

As a distinctive, highly visible coating intended to be applied for the purpose of rapid identification of critical areas. These typically include marker buoys, lifeboats, hand railings and emergency exit routes.

Normally applied over an approved alkyd anti-corrosive primer, or undercoat.

PRACTICAL INFORMATION FOR INTERLAC 648

Colour	Orange
Gloss Level	Matt
Volume Solids	54%
Typical Thickness	40-55 microns (1.6-2.2 mils) dry equivalent to 74-102 microns (3-4.1 mils) wet
Theoretical Coverage	10.80 m²/litre at 50 microns d.f.t and stated volume solids 433 sq.ft/US gallon at 2 mils d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Air Spray, Brush, Roller

Drying Time

			Overcoating interval with self	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
5°C (41°F)	18 hours	72 hours	36 hours	Extended[1]
15°C (59°F)	9 hours	36 hours	24 hours	Extended[1]
25°C (77°F)	6 hours	24 hours	16 hours	Extended[1]
40°C (104°F)	4 hours	8 hours	8 hours	Extended[1]

[1] See International Protective Coatings Definitions and Abbreviations

REGULATORY DATA

Flash Point (Typical)	40°C (104°F)	
Product Weight	1.00 kg/l (8.3 lb/gal)	
VOC	370 g/l	UK - PG6/23(04), Appendix 3

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

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2019.

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Primed Surfaces

Interlac 648 should always be applied over a recommended anti-corrosive coating scheme. The primer surface should be dry and free from all contamination and Interlac 648 must be applied within the overcoating intervals specified (consult the relevant product data sheet).

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 Interlac 648.

APPLICATION

Mixing	This material is a one component coating and should always be mixed thoroughly with a power agitator before application.		
Mix Ratio	Not applicable		
Airless Spray	Not recommended		
Air Spray (Pressure Pot)	Suitable	Gun Air Cap Fluid Tip	DeVilbiss MBC or JGA 704 or 765 E
Air Spray (Conventional)	Recommended	Use suitable proprietary equipment	
Brush	Suitable	Typically 25-40 microns (1.0-1.6 mils) can be achieved When applying Interlac 648 by brush care must be taken to achieve the specified dry film thickness; multiple coats may be required.	
Roller	Suitable	Typically 25-40 microns (1.0-1.6 mils) can be achieved	
Thinner	International GTA004	Do not thin more than allowed by local environmental legislation	
Cleaner	International GTA004		

Work Stoppages

Thoroughly flush all equipment with International GTA004. All unused material should be stored in tighly closed containers. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage. Material should be filtered prior to use.

Clean Up

Clean all equipment immediately after use with GTA004. 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

Interlac 648 is designed to provide a highly visible cosmetic finish and should always be applied over an approved anti-corrosive scheme.

In order to provide maximum visibility Interlac 648 should be applied in 2 coats over Interlac 287 white intermediate to ensure full opacity is achieved.

When applying Interlac 648 by brush or roller, it may be necessary to apply multiple coats to achieve the total specified system dry film thickness.

Level of sheen and surface finish are dependent on application method. Avoid using a mixture of application methods whenever possible.

For brush and roller application, and in some colours, two coats of Interlac 648 may be required to give uniform coverage.

Over-application of Interlac 648 will extend both the minimum overcoating periods and handling times, and may be detrimental to long term overcoating properties.

The premature exposure of Interlac 648 to ponding water may cause discolouration which may be permanent. As the fluorescent colour is the key feature of Interlac 648 all care must be taken to ensure that this does not occur.

Interlac 648 is not designed for continuous water immersion.

Interlac 648 is not suitable for exposure in acid or alkaline environments.

Interlac 648 will be subject to a degree of chalking resulting in a gradual fading of the original colour with time. Under typical atmospheric exposure conditions, Interlac 648 will require renewal at yearly intervals in order to maximise the effectiveness of the fluorescent colour.

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

Interlac 648 is normally applied over Interlac 287 as the final two coats of an anti-corrosive alkyd scheme.

The following primers are also approved for use with Interlac 648:

Interprime 106
Interprime 198
Interprime 205
Interprime 306
Interprime 466

Interlac 648 is designed only to be topcoated with itself.

For other suitable primers, 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 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	Vol	Pack
	5 litre	5 litre	5 litre
	For availability of other pack sizes, contact AkzoNobel.		

SHIPPING WEIGHT (TYPICAL)	Unit Size	
	5 litre	5.2 kg

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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