Interlac® 789

Modified Alkyd

PRODUCT DESCRIPTION

A single component, rapid drying modified alkyd primer/finish, designed to provide both anti-corrosive properties and a decorative finish in a single coat.

INTENDED USES

Interlac 789 has been designed for use as a single system to afford anti-corrosive protection for structural steelwork exposed to the environment where cosmetic appearance is important, e.g. in dry internal areas or low corrosivity external environments.

It is particularly suited for use as a rapid drying versatile primer/finish designed to maximize the steel throughput in fabrication yards.

PRACTICAL INFORMATION FOR INTERLAC 789

Color	Available in a wide range via the Chromascan system
Gloss Level	Eggshell
Volume Solids	63%± 3% (depends on color)
Typical Thickness	4 mils (100 microns) dry equivalent to 6.4 mils (159 microns) wet
Theoretical Coverage	253 sq.ft/US gallon at 4 mils d.f.t and stated volume solids 6.30 m²/liter at 100 microns 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*
50°F (10°C)	115 minutes	5 hours	6 hours[1]	Extended[2]
59°F (15°C)	105 minutes	4.5 hours	5 hours[1]	Extended[2]
77°F (25°C)	80 minutes	4 hours	4 hours[1]	Extended[2]
104°F (40°C)	60 minutes	3 hours	2 hours[1]	Extended[2]

[1] Minimum overcoating times refer to use of recommended topcoats, and may be increased if other topcoats are applied. See Product Characteristics and System Compatibility for further information.
[2] See International Protective Coatings Definitions & Abbreviations

REGULATORY DATA

Flash Point (Typical)	31°C (88°F)	
Product Weight	13.1 lb/gal (1.57 kg/l)	
VOC	2.50 lb/gal (300 g/lt) 202 g/kg	EPA Method 24 EU Solvent Emissions Directive (Council Directive 2010/75/EC)

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

See Product Characteristics section for further details

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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.

Abrasive Blast Cleaning

Abrasive blast clean to SSPC SP6 or Sa2½ (ISO 8501-1:2007). If oxidation has occurred between blasting and application of Interlac 789 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.

Interlac 789 is suitable for application to blast cleaned surfaces which were initially to the above standard but have been allowed to deteriorate under good shop conditions for up to 7-10 days. The surface may deteriorate to Sa2 standard but must be free from loose powdery deposits.

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	Recommended	Tip Range 17-21 thou (0.43-0.53 mm) Total output fluid pressure at spray tip not less than 2204 psi (155 kg/cm²)	
Air Spray (Pressure Pot)	Recommended	Gun Air Cap Fluid Tip	DeVilbiss MBC or JGA 704 or 765 E
Brush	Suitable - Small touch-up areas only	Typically 2.0 mils (50 microns) can be achieved	
Roller	Suitable - Small touch-up areas only	Typically 2.0 mils (50 microns) can be achieved	
Thinner	International GTA007	Do not thin more than allowed by local environmental legislation	
Cleaner	International GTA007		

Work Stoppages

Thoroughly flush all equipment with International GTA007. All unused material should be stored in tightly 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 International GTA007. 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.

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PRODUCT CHARACTERISTICS

Interlac 789 is designed primarily for the protection of structural steelwork. Alkyd based anti-corrosive products are most suitable for the protection of steelwork in internal dry environments or on exposed steelwork which is situated in low corrosivity environments corresponding to ISO 12944 C1, C2 and C3.

Interlac 789 is available in a wide color range, however, it is in the nature of all alkyd topcoats to be subject to a degree of yellowing and chalking and this will result in the loss of gloss and fading of the specified color over a period of time.

As Interlac 789 is designed as a single coat primer/finish, it is not normally applied as a multiple coat system, other than for repair of mechanical damages, touch-up etc. The minimum overcoating times refer to overcoating Interlac 789 with approved alkyd or oil based topcoats listed below. The use of alternative topcoats can result in increased mimimum overcoating times and should be avoided.

Excessive film thickness and/or over-application of Interlac 789 will increase the time to handle, and lengthen drying and overcoating times.

The premature exposure of Interlac 789 to ponding water will cause a color change which may be permanent. This is a cosmetic affect and will not affect the anti-corrosive protection offered by Interlac 789.

Interlac 789 is not designed for exposure in alkaline or acidic environments.

Interlac 789 should not be used in immersed environments.

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 color and normal manufacturing tolerances.

SYSTEMS COMPATIBILITY

Interlac 789 is normally applied as a single coat anti-corrosive primer/finish. Application of a further cosmetic topcoat on site is possible.

Recommended topcoats are:

Interlac 645
Interlac 658
Interlac 665

For further advice on system compatibility contact International Protective Coatings.

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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 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
	20 liter	20 liter	20 liter
	5 liter	5 liter	5 liter
	For availability of other pack sizes, contact AkzoNobel.		
SHIPPING WEIGHT (TYPICAL)	Unit Size		
	20 liter	33.1 kg	
	5 liter	8.3 kg	
STORAGE	Shelf Life	24 months minimum at 77°F (25°C). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.	

Disclaimer

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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Issue date: 5/26/2026

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