Intersheen® 579

Acrylic

PRODUCT DESCRIPTION

A single component, fast drying, modified acrylic finish.

INTENDED USES

As a sealer coat for single pack acrylic intumescent coating systems.

PRACTICAL INFORMATION FOR INTERSHEEN 579

Colour	Wide range via the Chromascan system
Gloss Level	Semi Gloss
Volume Solids	35% ± 3%
Typical Thickness	40-50 microns (1.6-2 mils) dry equivalent to 114-143 microns (4.6-5.7 mils) wet
Theoretical Coverage	8.80 m²/litre at 40 microns d.f.t and stated volume solids 351 sq.ft/US gallon at 1.6 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 recommended topcoats	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
-5°C (23°F)	2 hours	36 hours	24 hours	Extended[1]
5°C (41°F)	1 hour	24 hours	8 hours	Extended[1]
25°C (77°F)	30 minutes	8 hours	4 hours	Extended[1]
35°C (95°F)	15 minutes	8 hours	2 hours	Extended[1]

[1] See International Protective Coatings Definitions and Abbreviations

REGULATORY DATA

Flash Point (Typical)	23°C (73°F)	
Product Weight	1.105 kg/l (9.2 lb/gal)	
VOC	4.71 lb/gal (565 g/lt) 518 g/kg	EPA Method 24 EU Solvent Emissions Directive (Council Directive 1999/13/EC)

See Product Characteristics section for further details

SURFACE PREPARATION

Intumescent Coatings

Intumescent coatings should be checked for required dry film thickness prior to application of Intersheen 579 and should be clean, dry and free of loose material or other surface contamination. Please see the Interchar Working Procedures for further information on optimum overcoating intervals.

Primed Steelwork

Intersheen 579 can be applied over approved anti-corrosive primers. The primer surface should be dry and free from all contamination and Intersheen 579 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-SP10 Abrasive Blasting, or SSPC-SP11, Power Tool Cleaning) and patch primed prior to the application of Intersheen 579

APPLICATION

Mixing	This material is a one component coating and should always be mixed thoroughly with a power agitator before application.	
Airless Spray	Recommended	Tip Range 0.38-0.53 mm (15-21 thou) Total output fluid pressure at spray tip not less than 176 kg/cm² (2503 p.s.i.)
Air Spray (Conventional)	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 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.	
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.	

PRODUCT CHARACTERISTICS

Surface temperature must always be a minimum of 3°C (5°F) above dew point. Ensure adequate ventilation is provided throughout application and curing.

Intersheen 579 may also be used as a cosmetic finish over single pack primers and intermediates

Intersheen 579 should be protected from pooling or running water, condensation/high humidity and chemical attack at all times.When Intersheen 579 is being used as a sealer coat for intumescent coatings, the complete system is not suitable for exposure in environments more aggressive than C3 (as defined in ISO 12944 Part 2). See the Acrylic Intumescent Application Guidelines for further information.

Level of sheen and surface finish are dependent on application method. Avoid using a mixture of application methods whenever possible. Condensation occurring during or immediately after application may result in a matt finish and an inferior film.

Intersheen 579 is certified as M1 according to Spanish standards UNE 23.727-90 (Reaction to fire) and UNE 23721-90 (Radiation).

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

The following primers are recommended for Intersheen 579:

Interchar 404	Interchar 963
Interchar 973	Interprime 198

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 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	Vol	Pack
	20 litre	20 litre	20 litre
	For availability of other pack sizes, contact International Protective Coatings.		
SHIPPING WEIGHT (TYPICAL)	Unit Size		
	20 litre	23.88 kg	
STORAGE	Shelf Life	24 months 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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