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Intersheen 7579

More square meters, less VOC

Product Introduction Presentation

Agenda

- Introduction
- Introducing Intersheen 7579
- Availability
- Summary

Introduction

- Market legislation changes in Korea and China mean it is not possible to use acrylic topcoats with VOC higher than 500g/L (China) 450g/L (Korea) unless we are prepared to pay tax penalties

- Topcoats with long drying times have a negative impact on operational efficiency

- Multi-pack products are less desirable than single pack products as they add complexity and potential for application errors

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Introducing Intersheen 7579

Introducing Intersheen 7579

- **Product Description:** A semi-gloss, fast drying one pack modified acrylic finish
- **Volume Solids:** 54%
- **VOC:** 408g/L (EPA Method 24); 432 g/L (Korea Clean Air Conservation Act); 405 g/L (Chinese National Standard GB23985)
- **Application:** Single leg airless spray, brush, roller
- **Typical DFT:** 50µm
- **Hard drying times:** 36hrs at -5ºC, 24hrs at 5ºC, 8hrs at 25ºC, 8hrs at 35ºC
- **Chromascan:** available in light, deep, medium and yellow bases

Drying Times

Drying Times	Intersheen 579	Intersheen 7579	Δ
Touch dry times:			
-5°C	2hrs	2hrs	
5°C	1hr	1hr	No change
25°C	30mins	30mins	
35°C	15mins	15mins	
Hard dry times:			
-5°C	36hrs	36hrs	
5°C	24hrs	24hrs	No change
25°C	8hrs	8hrs	
35°C	8hrs	8hrs	

Impact of high VS% and low VOC

Product Property	Intersheen 579	Intersheen 7579	Δ
VS%	35%	54%	+54% higher
VOC g/L	565*	408*	-28% lower
TSR (m^2/L)	8.75**	10.8†	+23% higher

*EPA Method 24
**At 40µm DFT
†At 50µm DFT

High volume solids

	Product		
Product	VS%	DFT (µm)	TSR (sq m/L)
Intersheen 579	35	40	8.75
Intersheen 7579	54	50	10.8

Project	
Area (sq m)	Volume (L)
5,000	571
5,000	463

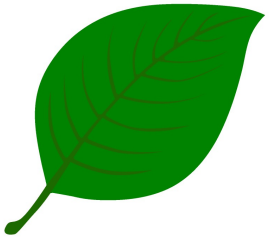
571L = 29 packs

463L = 24 packs

=

17% less waste or

5 less packs to dispose of!



A pack is a 20L container

High volume solids

Intersheen 579

€

Up to 23% productivity gain

Intersheen 7579

Intersheen 7579 has a spreading rate of 10.8m^2/L so increases productivity

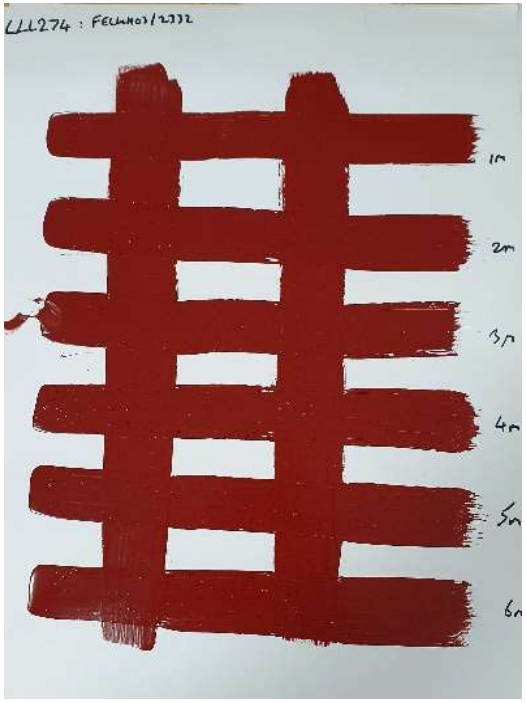
Comparisons with Intersheen 579

Test	Intersheen 7579	Intersheen 579
Pencil hardness (ASTM D3363-05)	2B	2B
Dirt pick-up resistance (In-house test)	Good	Good
König hardness (ISO1522)	53 swings	69 swings
Early water resistance (ISO2812:2007)	Resistant after 1 hour	Resistant after 1 hour
Slip resistance (Defence standard 80-134)	44	42
Taber abrasion (ASTM D4060) using CS-17 wheels (Average weight loss)	40mg/100 cycles	30mg/100 cycles
Gardner impact (ASTM D2794)	3 Joules	3 Joules
Walk on time (In-house test)	2 hours	2 hours

Applications

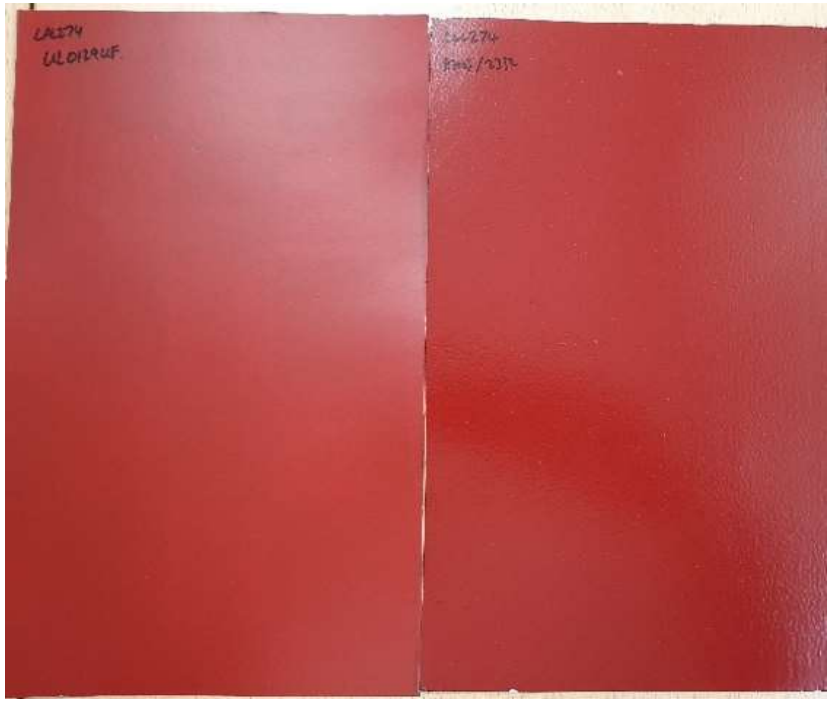
Brush

Intersheen 579



Intersheen 7579

Roller



Intersheen 579

Intersheen 7579

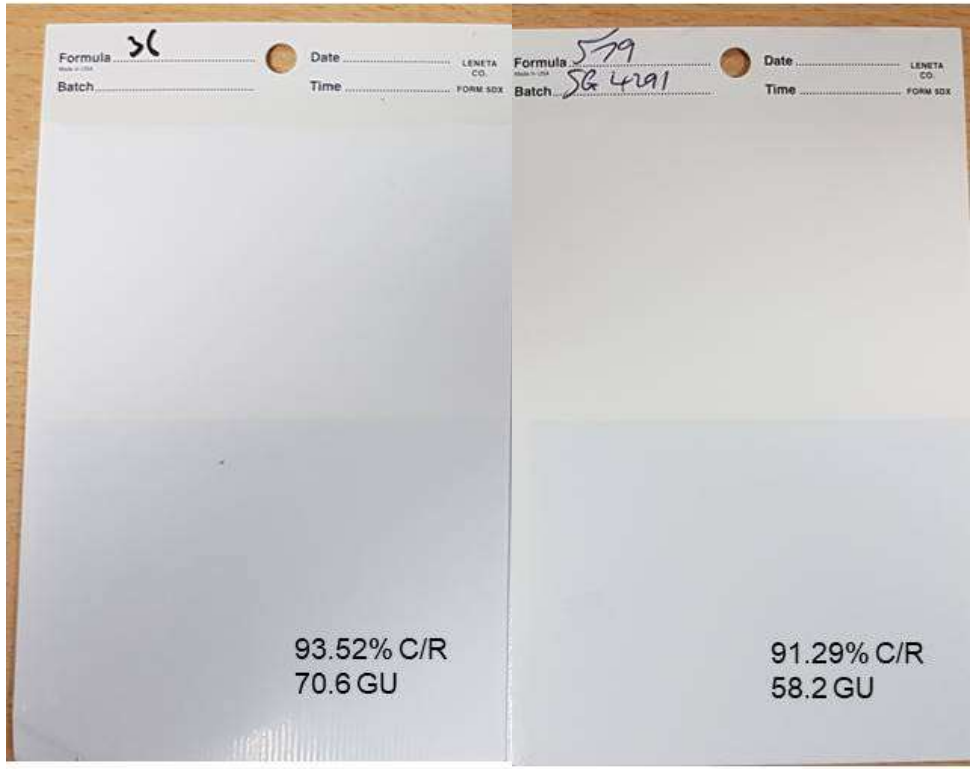
Applications

Airless spray

Contrast Ratio

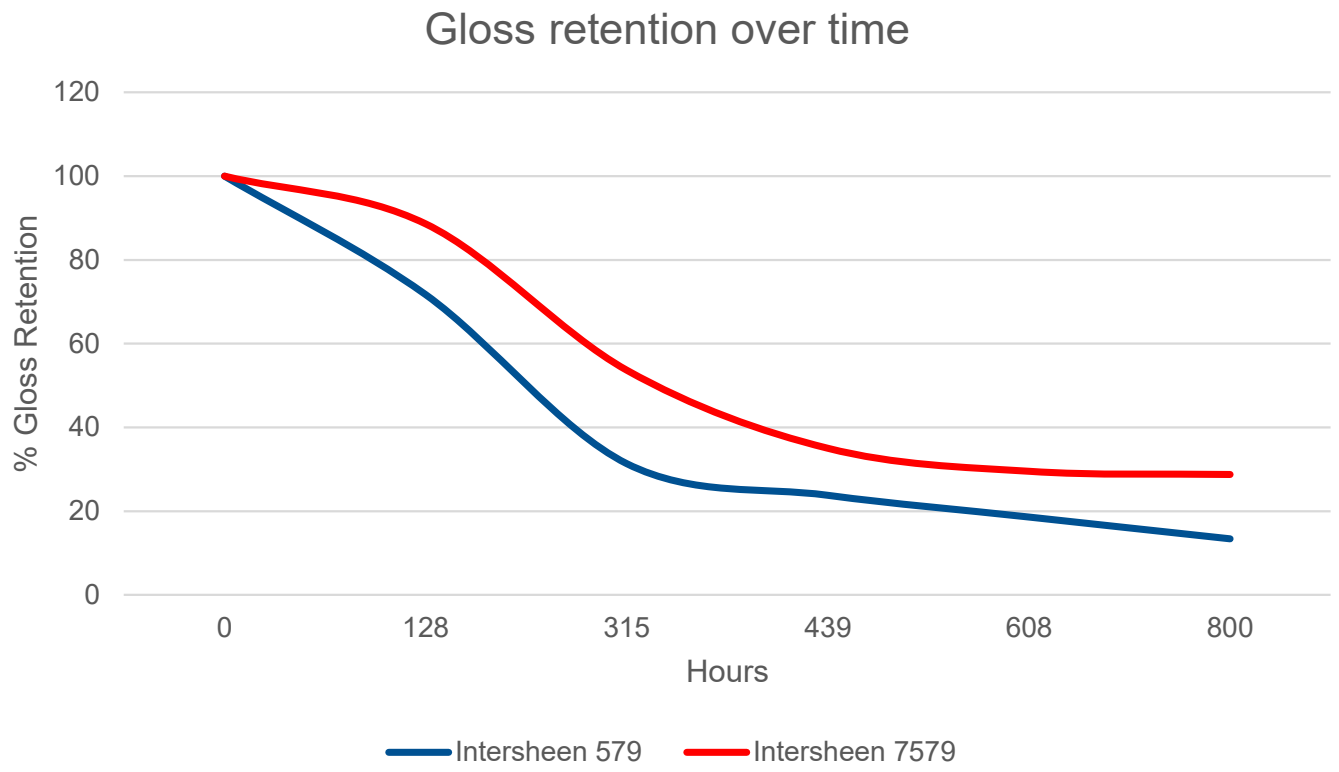
Intersheen 7579 has a similar contrast ratio to Intersheen 579

Intersheen 7579



Intersheen 579

QUV-A Exposure



Overcoating

Intersheen 7579 has similar performance to Intersheen 579 and can top coat most aged finishes either directly or after abrading lightly

Aged Finish*	Topcoat	
	Intact	Abraded
Intersheen 579	✓	✓
Intersheen 7579	✓	✓
Intersheen 5790	✓	✓
Interlac 665	✗	✓
Interthane 990	✗	✓
Interthane 989	✓	✓
Interfine 878	✗	✓

* All finishes were put on outdoor exposure for at least 12 months before overcoating and then after top-coating put on accelerated boot-top testing before penknife adhesion assessment

Approved primers / mid-coats

- Interprime 198
- Interstores Alkyd
- Interstores Epoxy
- Intergard 263
- Intergard 5263
- Interbond 201
- Intergard 361
- Intergard 7600

Available on Chromascan

Intersheen 7579 can be colour matched to any colour using Chromascan tints

Availability

Availability

- Pack sizes are 20LT and 5LT

Bulk Code	Description
LLA11A	Base Light
LLA33A	Base Medium
LLA44A	Base Deep
LLA55A	Base Yellow
LLB000	White
LLF684	Surf Grey
LLK724	Storm Grey
LLL274	Red
LLL549	Signal Green
LLY999	Black

Supply chain

- All pick-up points in Korea and China

Summary

Intersheen 7579 Summary

- Based on the trusted performance properties of Intersheen 579:
  - A fast drying one pack modified acrylic finish
  - Volume Solids: 52%
  - VOC: 416g/L (EPA Method 24)

- A high quality acrylic single pack topcoat that delivers optimised application properties and reduced impact on the environment

- Compared to Intersheen 579, Intersheen 7579:
  - Reduces paint use, waste and delivery costs via a 49% increase in volume solids
  - Reduces VOC liabilities via a reduction of up to 26% of the VOC emissions

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