

Interpon Flat Matt: Technical Bulletin

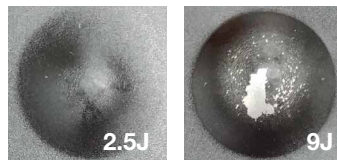
The new Interpon Flat Matt range captures the growing trend in non-reflective architectural surfaces. Furthermore, the Flat Matt advanced powder formulation has delivered significant application and performance benefits when tested at Interpon Approved Applicators. Specifically there have been improvements in gloss stability, coating flexibility, cure times and better transfer efficiency.

Test 1: Mechanical Properties

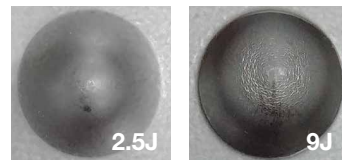
Reverse Impact Test – Up to 9J Tested in the Sunshine Powder laboratory

*100µ-150µ & 9J test levels are over and above the required testing limits and have been done for illustrative purposes only. The recommended test levels are 60µ-80µ and 2.5J

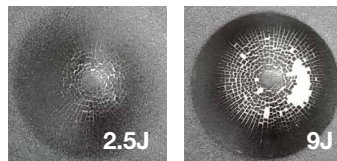
Previous Précis 40µ – 50µ



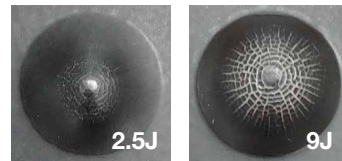
New Flat Matt 40µ – 50µ



Previous Précis 100µ – 150µ

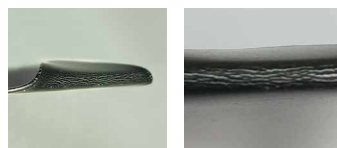


New Flat Matt 100µ – 150µ



Improved Flexibility – Better bending properties
(over 90 degree bend with visibly improved surface cracking)

Previous Précis



New Flat Matt



Test 2 : Gloss Stability – Test on Black Ink Flat Matt YN21BA

6% Gloss +/- 1% variation

Stability with Dry Film Thickness 80µ to 120µ

Stability with cure (5 minutes to 24 minutes @200°C Peak Metal Temperature)

Stability with overbake (Double bake 10 minutes @ 200°C)

Test 3: Cure Schedule

MEK resistant after D1000 Cure schedule (5 minutes @ 200°C Peak Metal Temperature)

MEK resistant at low temperature (8 minutes @ 180°C Peak Metal Temperature)

Test 4: Flame Propagation

Spread of Flame Index = 0 (Range 0-10)

Heat Evolved Index = 0 (Range 0-10)

Smoke Developed Index = 3 (Range 0-10)

Independent AWTA Product Testing indicates that Interpon D2525 Polyester powder coat finishes are suitable for use on internal and external architectural cladding, extrusions, fixings and components.



AUSTRALIA
 e: salesoz@interpon.com
 www.specifyinterpon.com.au

NEW ZEALAND
 e: salesnz@interpon.com
 www.specifyinterpon.co.nz

Tel: 1800 630 516
 Fax: 1800 650 786

Tel: 0800 150 527
 Fax: 0800 809 679

Interpon Flat Matt provides the modern, timeless look that designers appreciate. The ultra matt finish and the interaction of light on these surfaces, opens up new possibilities in aesthetics. The Flat Matt range also offers amazing durability in the harshest of environments.

- Ultra flat matt powder coating
- Non-reflective
- Soft to touch
- Selected solid & metallic colors
- AAMA 2604

Product Performance

	D2525 Flat Matt*
AS3715	✓
AAMA 2603	✓
AAMA 2604	✓
Building Code of Australia	All BCA classes. Any building, any height. All locations
Film integrity warranty	25 years
Color retention warranty	15 years

* D2525 is only suitable for coastal environments >10m from the high tide.
 * When applied by an Interpon Accredited Approved Applicator.

FLATMATTFINISH



White
 Flat Matt YA25BA S
 RGB 229, 236, 236 LRV 86%



Linen
 Flat Matt YY28PA S
 RGB 222, 224, 218 LRV 73%



Natural Shimmer
 Flat Matt YY25AA S
 RGB 186, 190, 189 LRV 46%



Champagne Shimmer
 Flat Matt YY24NA S
 RGB 135, 127, 114 LRV 25%



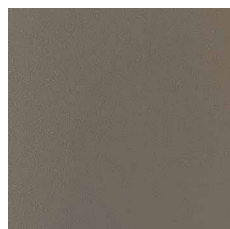
Sunstone Bronze
 Flat Matt YY21BA S
 RGB 122, 115, 99 LRV 17%



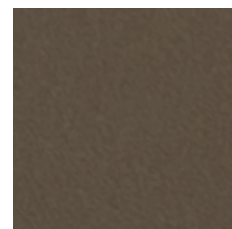
Pure Gold
 Flat Matt YY22BA S
 RGB 169, 141, 95 LRV 27%



Golden Touch Pearl
 Flat Matt YY25BA S
 RGB 133, 119, 92 LRV 22%



Brilliance
 Flat Matt YY23TA S
 RGB 103, 99, 88 LRV 15%



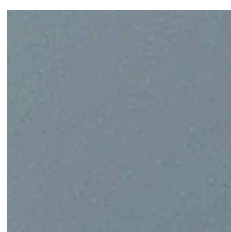
Medium Bronze Pearl
 Flat Matt YY23NA O
 RGB 87, 80, 66 LRV 11%



Dark Bronze
 Flat Matt YY20BA S
 RGB 67, 65, 56 LRV 6%



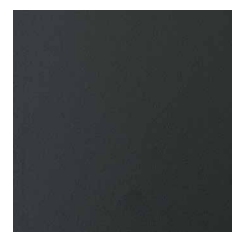
Monument®
 Flat Matt YP229A S
 RGB 55, 59, 57 LRV 6%



Pacific Blue
 Flat Matt YY23BA O
 RGB 112, 129, 133 LRV 20%



Vintage Silver
 Flat Matt YY22NA S
 RGB 105, 109, 110 LRV 18%



Black Ink
 Flat Matt YN21BA S
 RGB 48, 53, 51 LRV 4%

S Stocked Product O Made to Order Product

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