



**CODEMARK™**

# CERTIFICATE OF CONFORMITY



This is to certify that

## Energy Star Coatings

### Product description

The Energy Star Coatings consists of paints and coatings.

### Product purpose or use

The Energy Star Coatings have been specially formulated and tested to achieve enhanced radiation reflectance (including infrared, visible and ultraviolet radiation). The certification considers the solar absorptance, as used in the Building Code of Australia, and emissivity and solar reflectivity. Product can be applied to steel, concrete, wood surfaces.

### Certificate holder

Astec Paints International Pty Ltd and Astec Paints Australasia Pty Ltd, 262 Marion Road, Netley, South Australia , 5037

### CodeMark certification body

Global-Mark Pty Ltd  
407 - 32 Delhi Road  
Norht Ryde NSW 2113, Australia  
www.Global-Mark.com.au

### Complies with the Building Code of Australia 2009:

- Volume One: J1.3 (b) – Compliance as tabulated in Table 1
- Volume Two: 3.12.1.2 (b)(i), 3.12.1.4 (b)(ii) – Compliance as tabulated in Table 1
- Volume One: JP1 including Victoria Variation VIC JV1(a), and NSW J(A)P1(a) when its use is verified by methods JV1 or JV3 (as per Table 2)
- Volume Two: P2.6.1 including the Victoria variation P2.6.1 and NSW Additions NSW 2.6.1(a) when its use is verified by methods V2.6.2.1 or V2.6.2.2 (as per Table 2)
- Volume One State variations :
  - In New South Wales BCA Volume One Section J is replaced by NSW Section J.
    - For Class 2 and Class 4 buildings, NSW BASIX applies in accordance with NSW Subsection JA.
    - For Class 3, 5, 6, 7a, 7b, 9a, 9b and 9c buildings, BCA Volume 1 Section J applies in accordance with NSW Subsection JB.
  - In Northern Territory, BCA Volume One Section J does not apply.
  - In Victoria, there is a variation of the star requirements for JV1.
- Volume Two State variations:
  - In New South Wales Parts 2.6 and 3.12 do not apply. New South Wales BASIX classifications are as tabulated as per the NSW Addition.
  - In Northern Territory BCA 2005 Part 3.12 applies. In Tasmania BCA 2005 Part 3.12 applies until 01/01/2010

### Subject to the following conditions and limitations:

- Product installation shall be carried out by an Astec Trained installer
- Installed in accordance with Astec Paints APA Specification Sheets for the specific installation conditions
- An Astec Paint Manufacturer's Warranty must be issued on completion of the work.

**Herve Michoux,**  
Managing Director

**Unrestricted Building Certifier**  
Peter Gardner

21/09/2009

**Date of issue**

11/09/2012

**Date of expiry**

GM-09-CM30010

**Certificate Number**



- This Certificate of Conformity is issued under arrangement with JAS-ANZ. The ABCB does not in any way warrant or represent that the Product the subject of this Certificate of Conformity conforms with the BCA, nor accepts any liability arising out of the use of the Product.
- It is advised to check that this Certificate of Conformity is currently valid and not withdrawn, suspended or superseded by a later issue by referring to the ABCB website, [www.abcb.gov.au](http://www.abcb.gov.au).



**CODEMARK™**

**Table 1:**

Building Code of Australia Clause	Volume 1 J1.3 (b)		Volume 2 3.12.1.2 (b)(i)	Volume 2 3.12.1.4 (b)(ii)	NSW BASIX Classification
	0.55	0.35	0.55	0.45	
<b>Solar Absorptance requirement</b>					<b>Light &lt;0.475, Medium 0.475 – 0.700, Dark &gt; 0.700</b>
<b>Complying Products</b>					
Sportscoat	Yes	Yes	Yes	Yes	Light
EC 100 Dirtguard White	Yes	Yes	Yes	Yes	Light
Cool Pave White	Yes	Yes	Yes	Yes	Light
DG IR Elastic White	Yes	Yes	Yes	Yes	Light
ES Metal-Flex GLS/LS	Yes	Yes	Yes	Yes	Light
Tileshield SM White	Yes	Yes	Yes	Yes	Light
Tileshield White	Yes	Yes	Yes	Yes	Light
DG IR Gloss White	Yes	Yes	Yes	Yes	Light
GLS/LS White	Yes	Yes	Yes	Yes	Light
Ceram - 4000 White	Yes	Yes	Yes	Yes	Light
E100 T SM White	Yes	Yes	Yes	Yes	Light
Broken White	Yes	Yes	Yes	Yes	Light
C/B Smooth Cream	Yes	Yes	Yes	Yes	Light
Light Cream	Yes	Yes	Yes	Yes	Light
Neutral White	Yes	Yes	Yes	Yes	Light
Armatex White	Yes	Yes	Yes	Yes	Light
Sandalwood	Yes	Yes	Yes	Yes	Light
Pale Biscuit	Yes	Yes	Yes	Yes	Light
Off White	Yes	Yes	Yes	Yes	Light
Light Latte	Yes	Yes	Yes	Yes	Light
Mid Biscuit	Yes	Yes	Yes	Yes	Light
Stone	Yes	Yes	Yes	Yes	Light
C/B Merino	Yes	Yes	Yes	Yes	Light
Gull Grey	Yes	Yes	Yes	Yes	Light
Tuscany	Yes	Yes	Yes	Yes	Light
C/B Birch Grey	Yes		Yes	Yes	Light
Autumn	Yes		Yes	Yes	Light
Pewter	Yes		Yes	Yes	Light
Chino	Yes		Yes	Yes	Light
Quarry	Yes		Yes	Yes	Light
Warm Clay	Yes		Yes	Yes	Light
Mocca	Yes		Yes	Yes	Light
C/B Saltbush	Yes		Yes	Yes	Light
C/B Beige	Yes		Yes		Light
French Green	Yes		Yes		Light
Clay Tone	Yes		Yes		Medium
C/B Rivergum					Medium
Terracotta					Medium
C/B Mist Green					Medium
C/B Slate Grey					Medium
C/B Iron Bark					Medium
Olive Green					Medium
C/B Weathered Copper					Medium
Red Oxide					Medium
Regal Brown					Medium
C/B Heritage Red					Medium
Yallara Brown					Medium
Blue Grass					Medium
Nimbus					Medium
Cobalt					Medium
Charcoal					Medium
Pioneer					Dark
Botanic					Dark
Mid Brunswick Green					Dark
C/B Mountain Blue					Dark
Carriage green					Dark



**Table 2**

<b>Solar Absorbance and Emissivity Values</b>		
<b>For use in verification by computer simulation to</b>		
<b>BCA Volume One JV1 or JV3, or BCA Volume Two V2.6.2.1 or V2.6.2.2</b>		
<b>Product</b>	<b>Solar Absorbance</b>	<b>Emissivity</b>
Sportscoat	0.09	0.92
EC 100 Dirtguard White	0.10	0.91
Cool Pave White	0.10	0.87
DG IR Elastic White	0.10	0.91
ES Metal-Flex GLS/LS	0.11	0.89
Tileshield SM White	0.11	0.88
Tileshield White	0.11	0.91
DG IR Gloss White Base	0.11	0.89
GLS/LS White	0.13	0.88
Ceram - 4000 White	0.13	0.90
Armatex White	0.13	0.94
E100 T SM White	0.17	0.91
Broken White	0.19	0.89
C/B Smooth Cream	0.22	0.88
Light Cream	0.21	0.86
Neutral White	0.22	0.83
Sandalwood	0.23	0.87
Pale Biscuit	0.25	0.90
Off White	0.25	0.93
Light Latte	0.29	0.90
Mid Biscuit	0.31	0.90
Stone	0.31	0.90
C/B Merino	0.32	0.90
Gull Grey	0.32	0.89
Tuscany	0.34	0.90
C/B Birch Grey	0.38	0.86
Autumn	0.39	0.90
Pewter	0.39	0.90
Chino	0.39	0.90
Quarry	0.40	0.90
Warm Clay	0.41	0.83
Mocca	0.42	0.90
C/B Saltbush	0.44	0.90
C/B Beige	0.46	0.85
French Green	0.46	0.90
Clay Tone	0.53	0.90
C/B Rivergum	0.56	0.83
C/B Mist Green	0.56	0.87
Terracotta	0.58	0.90
C/B Iron Bark	0.59	0.92
C/B Slate Grey	0.60	0.85
Olive Green	0.61	0.90
C/B Weathered Copper	0.61	0.90
Red Oxide	0.61	0.85
Regal Brown	0.61	0.91
C/B Heritage Red	0.63	0.82
Yallara Brown	0.63	0.90
Blue Grass	0.64	0.90
Nimbus	0.65	0.90
Cobalt	0.66	0.90
Charcoal	0.67	0.88
Pioneer	0.71	0.90
Botanic	0.72	0.90
Mid Brunswick Green	0.74	0.87
C/B Mountain Blue	0.75	0.92
Carriage green	0.75	0.90

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