

# DURAKOTE® COASTAL STEEL

ROOFING, FLASHING, WALLING, CLADDING & RAINWATER PRODUCTS

## DESCRIPTION

DURAKOTE® COASTAL pre-painted steel is specifically designed for the harsh Australian Roofing and Rainwater products environment. An extremely durable, high quality product with superior corrosion and heat resistance for general use on roofing, flashing, walling, cladding, gutters, fascia and downpipes.

## STANDARDS

Substrate AS 1397:2011

Paint Coating – AS/NZS 2728:Type 4

## SPECIFICATION

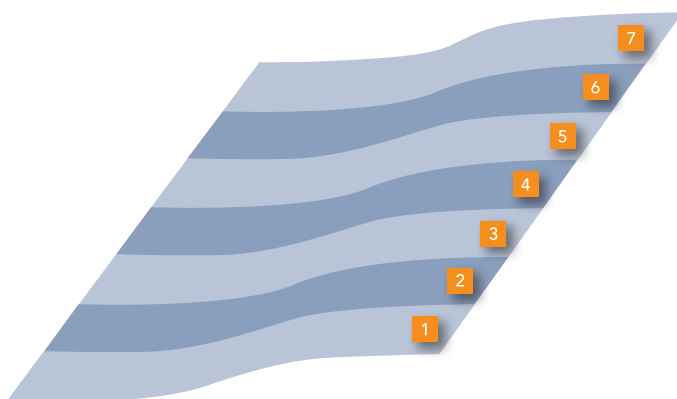
**Substrate:** AluZinc steel coil AZ200. Manufactured to AS 1397:2011

**Pre-treatment:** Corrosion resistant conversion coating

**Primer:** Corrosion Resistant Primer

**Finishing Coat:** Durable exterior polyester grade paint coat (Nominal 20µm) AS/NZS 2728 1997:Type 4

**Backing Coat:** Ace Coastal Grey Backer (Nominal 8µm)



- Backing Coat (Nominal 8µm) **1**
- Corrosion Resistant Primer **2**
- Corrosion Resistant Coating **3**
- AluZinc (Aluminium Zinc Alloy Coated Steel) **4**
- Corrosion Resistant Coating **5**
- Corrosion Resistant Primer (Nominal 6µm both sides) **6**
- Finish Coat (Nominal 20µm) **7**

## LINE TESTED PROPERTIES

PROPERTY	TEST METHOD	MEASURED BY	RESULTS
Hardness	AS/NZS 1580 405.1 NCCA Tech.Bull. 4.2.5	Pencil	HB or harder
Adhesion	AS/NZS 2728 (App.E) NCCA Tech. Bull. 4.2.6 AS/NZS 2728 (App. F) NCCA Tech. Bull. 4.2.8	Reverse Impact T-Bend	>10 joules Maximum 5T
Specular Gloss	AS/NZS 1580 602.2 ASTM D523	60° meter	15-35%

## EXPECTED PRODUCT PERFORMANCE

Ace Gutters Pty Ltd warrants that Ace roofing, gutter, downpipe and fascia manufactured from genuine DURAKOTE® COASTAL pre-painted steel will have a life prior to perforation by natural weathering of 15 years from the date of installation.

Ace Gutters Pty Ltd also warrants that the DURAKOTE® COASTAL exterior paint system will not flake or peel for a period of 15 years from the date of installation.

PROPERTY	MEASURED BY	TEST METHOD	RESULTS
Resistance to colour change	QUV (2000 hours)	ASTM G53	Δ E Hunterlab: Intermediate Colour: <5 unit
	Natural well washed Exposure	ASTM D2244	Δ E Hunterlab: Light colour: <6 units Int. colour: <9 units Dark colour: <15 units
Resistance to chalking	QUV (2000 hours)	ASTM G53 AS/NZS 1580 481.1.11	Rating: <4
	Natural well washed	(Method B) AS/NZS 1580 481.1.11	Chalk rating: <4
Resistance to corrosion	Salt Spray (1000 hours)	ASTM B117 AS 2331.3.1 NCCA Tech. Bull. 5.4.6  DIN 50018	Blister density: <2 Blister size: <S2 Undercut from a score: <2mm No loss of adhesion Edge creep: <4mm
Resistance to humidity	Cleveland (1000 hours)	NCCA Tech. Bull. 5.4.5	Blister density: <2 Blister size: <S2 No loss of adhesion
Resistance to acids	Exposure	ASTM D1308 (3.1.1)	No discolouration No blistering
Resistance to alkalis	Exposure	ASTM D1308	No discolouration No blistering
Resistance to solvents	Exposure	ASTM D1308	No discolouration No blistering
Adhesion	Natural well washed	-	No flaking or peeling
Resistance to fire	Exposure	AS/NZS 1530.3	Ignitability index: 0 rating in scale of 0-20 Smoke evolved index: 0-1 rating in scale of 0-10
Flexibility	T-bend	AS 2935 ( App. E)	Maximum 7T (no cracking)
Resistance to abrasion	Taber Abraser-100g	AS/NZS 1580 403.2	Typically 50mg
	Scratch	AS/NZS 1580 403.1	Typically 2000g

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