



quality for rain gutters



Prepainted Aluminium for Rain Gutters

ELVAL COLOUR is a vertically integrated producer of coated aluminium material, for rain gutter systems. The quality of our material is controlled inhouse from casting, to coating and finishing operations, ensuring maximum longevity of the product and ease of formability.

ELVAL COLOUR operates under the highest Quality System standards: ISO 9001:2008 - ISO 14001:2001

MEMBER OF EUROPEAN COIL COATING ASSOCIATION TEST METHODS IN COMPLIANCE WITH EN NORMS

- ECCA T 1: Primer + Top Coat thickness
- ECCA T 2: Top Coat Specular 60° Gloss
- ECCA T 3: Colour Deviation
 - Light Colours: $\Delta E \leq 0,80$
 - Dark Colours: $\Delta E \leq 1,00$
- Special Colours: visual comparison
- ECCA T 4: Top Coat Pencil Hardness
- ECCA T 5: Impact Resistance test
- ECCA T 6: Cross Cut Test
- ECCA T 7: Resistance to Crack after bend
- ECCA T 8: Acetic Salt Spray Test
- ECCA T 9: Resistance to Water Immersion
- ECCA T 10: UVA Resistance 1000 H $\Delta E \leq 5$
- ECCA T 11: MEK Test

PRODUCTION PROCESS:

- > Slab Casting
- > Hot Rolling
- > Cold Rolling
- > Coating Selection & Analysis
 - > Liquid Coil Coating
- > Finishing Operations
 - > Packing
- > Final Quality Control

STANDARD COLOURS:

Testa di Moro
White Grey
Rosso Siena
White 9010
Ivory 1013
Silver Metallic

SPECIAL COLOURS:

Natural Copper Imitation or "Spazzolato"
Patina Rame
Patina Verde
Patina Zinc
Titan Zinc
Basalt - Ardesia Ligure
Wrinkle - Rosso Toscano

DIMENSIONS:

STANDARD THICKNESSES: 0.60 / 0.70 / 0.80 / 1.00 / 2.00 mm

STANDARD WIDTHS: 1.000 / 1.150 / 1.250 / 1.524 mm

OTHER WIDTHS: All range of width available on demand

PACKAGING:

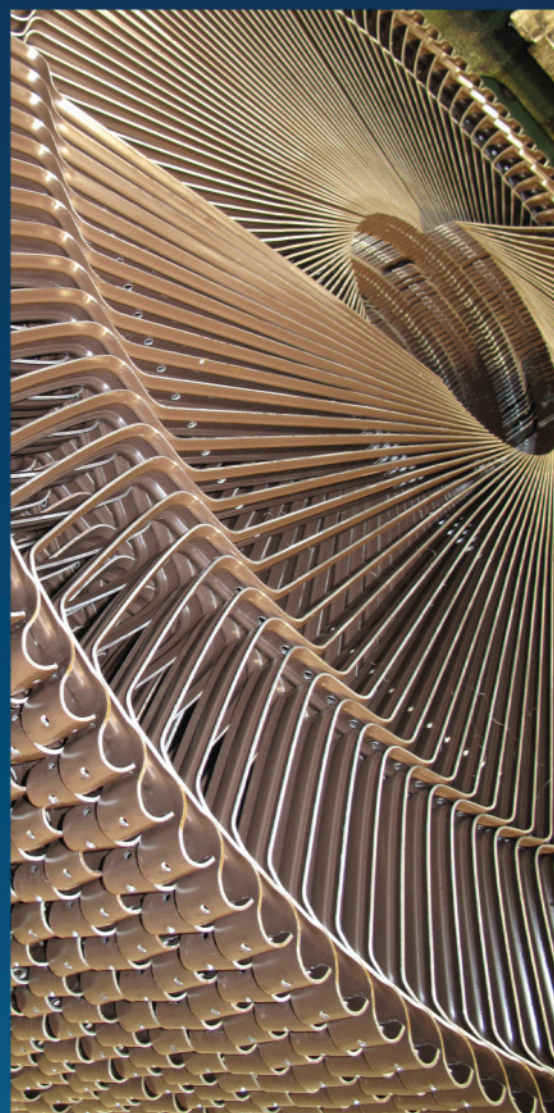
Internal Coil (ID):	500 mm with Carton Core
External Coil (OD):	max 1.200 mm
Coil Weight:	300 - 3.000 kg
Pallet Weight:	max 3.500 kg

Pallets suitable for unloading by forklift

ELVAL COLOUR
Power to imagine

TECHNICAL DATA SHEET

Alloy	EN 573-3		3105-4116-8006
Mechanical Properties	EN 1396	3105-4116 H44	Rm: 150-200 N/mm ² Rp 0,2: 120N/mm ² min A50: >3,0%
		8006 H0	Rm: 90-140 N/mm ² Rp 0,2: 40-80 N/mm ² A50: >20%
		3105-4116 H42	Rm: 130-180 N/mm ² Rp 0,2: 105 N/mm ² min A50: >6,0%
Dimensional Tolerances	EN 485 - 4		Compliance
Bending Without Cracks	3105-4116 H42 3105-4116 H44 8006 H 0		90° 0,0xT - 180° 1,0xT 90° 0,0xT - 180° 2,0xT 90° 0,0xT - 180° 0,5xT
Coating Structure	PAINT SYSTEM		1. Chemical Pretreatment 2. Primer 3. Top Coat
	Standard Colours		
	PAINT SYSTEM		1. Chemical Pretreatment 2. Primer 3. Base Colour 4. Pattern 5. Clear Top Coat
	Special Colours		
Top Coat	Standard Colours Natural Copper or "Spazzolato" Patinated Colours Basalt & Wrinkle		Polyester 21 mic Polyester 17 mic Polyester 25 mic VHD Polyester 37-39 mic
Reverse Side	Standard Colours Natural Copper or "Spazzolato" Patina Colours Basalt & Wrinkle Colours		Polyester 7 mic Polyester 17 mic Polyester 7 mic Poluester 7 mic



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