



**Aluminium
for Beverage Cans,
Food Cans
and Closures**

Products

Aluminium for Beverage Cans, Food Cans and Closures

Aluminium for Beverage Cans

Always present in the development of the Beverage Can making industry, ELVAL offers Coils for Beverage Can Body Stock, Coated End Stock and Bare or Coated Tab Stock. ELVAL rolling facilities include mass flow gauge control for high efficiency in the can making lines and a state-of-the-art lacquering line dedicated to the coating of Easy Open End and Tab material with PVC-free and solvent-free (water-based) lacquering systems. ELVAL produces according to our customer requirements in order to provide tailor-made solutions.

Aluminium for Food Cans

ELVAL's state-of-the-art lacquering line ensures uniform coating properties for bodies, lids and tabs of rectangular round or bowl Food Cans. Customer-specific solutions can be provided for aggressive and non-aggressive food or fruit juice fillings with badge-free or PVC-free and solvent free (water – based) lacquering systems. The same material can also be supplied degreased, chromium phosphated and DOS treated.

Aluminium for Closures

Committed to continuous development to meet customer needs, ELVAL offers Pre-Treated and Pre-Coated Coils or Straight-Cut Sheets for the production of Pilfer-Proof Caps[®] for carbonated and non-carbonated beverages, alcoholic or non-alcoholic drinks and closures for pharmaceutical products. ELVAL provides high quality non-earring material in two different aluminium alloys and two finishes, bare or coated.

Quality Certification

According to EN or AA standards or as per agreed customer specifications.



Production Range (mm)²

Beverage Cans			Food Cans		
	Gauge	Width	Gauge	Width	Length
Body	0.250 min.	1,800 max.	0.18-0.25	500-1,020	1,020 max.
End	0.215 min.	1,800 max.	0.22-0.30	100-850	-
Tab	0.235 min.	25 min.	0.45 min.	25 min.	-

Beverage Cans Coil Geometry			Food Cans Coil Geometry	
	Inside Diameter	Outside Diameter	Inside Diameter	Outside Diameter
Body	400 or 500	1,850 max.	sheets	sheets
End	400 or 500	1,850 max.	300 or 400 or 500 ^④	1,800 max.
Tab	400	1,850 max.	300 or 400	1,800 max.

Closures-Dimension Range	
Gauge	0.20-0.30
Width	500-1,020
Length (sheets)	1,020 max.
Inside Diameter	300 or 400 or 500 mm on carton core ^④
Outside Diameter	1,800 mm max.

Finishes - Treatments

Beverage

Body	Pre-lubricated according to customer requirements.
End	Pre-coated according to customer requirements.
Tab	Coated clear or coloured epoxy, ^⑤ or Bare Degreased and DOS re-oiled.

Food

Body/End	Pre-Treated Degreased, chromium phosphate converted and DOS treated. Coated with lacquers suitable for the interior and exterior of can. ^⑥
Tab	Coated Clear or coloured epoxy. ^⑦ Bare: Degreased and DOS re-oiled.

Closures

- Bare Degreased, chromium phosphate converted and if requested DOS treated.
- Coated Lacquered on either or both sides.

Chemical Composition[®]

Alloy		Si	Fe	Mn	Mg	Cu	Cr	Ti	Zn	Others	Al	Use
3104	min.	-	-	0.90	0.95	0.10	-	-	-	-	Remainder	Beverage and Food Cans' Body
	max.	0.30	0.60	1.20	1.25	0.25	0.05	0.10	0.20	0.05	-	
5052	min.	-	-	-	2.30	-	-	-	-	-	Remainder	Food Cans' Body and End
	max.	0.15	0.40	0.10	2.70	0.10	0.15	0.05	0.10	0.05	-	
5042	min.	0.09	0.25	0.30	3.90	-	-	-	-	-	Remainder	Food Cans' Tab
	max.	0.16	0.35	0.50	3.90	0.10	0.10	0.05	0.25	0.05	-	
5182	min.	-	-	0.20	4.00	-	-	-	-	-	Remainder	Beverage Cans' End and Tab
	max.	0.20	0.35	0.50	5.00	0.15	0.10	0.10	0.25	0.15	-	
3105	min.	-	-	0.30	0.20	-	-	-	-	-	Remainder	Closures
	max.	0.60	0.70	0.80	0.80	0.30	0.20	0.10	0.40	0.15	-	
3003	min.	-	-	1.00	-	0.05	-	-	-	-	Remainder	Closures
	max.	0.60	0.70	1.50	-	0.20	-	-	0.10	0.15	-	

Packing

Sheets and Coils are packed on wooden pallets, polyethylene shrink-wrapped to ensure full protection during transit.



- ❶ It can be used together with Bedding, PVC, Polyethylene and P.P. compound systems.
- ❷ Dimensions in millimetres.
- ❸ Endstock on carton core.
- ❹ Closures for pharmaceutical products can be supplied in coil form with a metal core inside diameter of 150mm.
- ❺ According to customer requirements.
- ❻ Optional pre-waxing with petrolatum 90 +/- 30 mg/mm² per side
- ❼ According to customer requirements
- ❽ Composition presented in percent by weight.





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