



**Aluminium  
Sheet and Plate  
for Road  
Commercial  
Vehicles and Trains**

# Products

## Aluminium Shate and Plate for Road Commercial Vehicles and Trains

Elval's Aluminium Shate and Plate has been developed to satisfy demand for elevated mechanical properties and superior surface finishes widely used in the truck and trailer manufacturing.

The wide range offered provides excellent solutions for Tipper Trucks, Road Tankers and Trailers ensuring successful lightweight designs and less welding points.

Elval Grain Pattern has high anti-slippery properties that are suitable for custom made refrigeration vehicles, trucks and decorative purposes.



ELVAL Grain Pattern

### Production Range

Imperial	
Gauge	up to 0.5"
Width	39.4" to 98.4"
Length	465" max.
Metric	
Gauge	up to 12.7 mm
Width	1,000 to 2,500 mm
Length	11,800 <sup>①</sup> mm max.

① Greater lengths can be considered upon request

# Mechanical Properties

Alloy	Temper	Thickness (mm)		Rm (Mpa)		Rp0,2 (Mpa)		Elongation min. %		Bend radius	
		Over	Up to	Min.	Max.	Min.	Max.	A50	A	180°	90°
5086	0 H111	≥1,5	3.0	240	310	100		13		1,0 t	1,0 t
		3.0	6.0	240	310	100		15		1,5 t	1,5 t
		6.0	12.7	240	310	100		17			2,5 t
	H116 H321	≥1,5	3.0	275		195		8		2,0 t	2,0 t
		3.0	6.0	275		195		9			2,5 t
		6.0	12.7	275		195		10			3,5 t
5083	0 H111	≥1,5	3.0	275	350	125		13		1,5 t	1,0 t
		3.0	6.0	275	350	125		15			1,5 t
		6.0	12.7	270	345	115		16			2,5 t
	H116 H321	≥1,5	3.0	305		215		8		3,0 t	2,0 t
		3.0	6.0	305		215		10			2,5 t
		6.0	12.7	305		215		12			4,0 t
5454	0 H111	≥1,5	3.0	215	275	85		15		1,0 t	1,0 t
		3.0	6.0	215	275	85		17			1,5 t
		6.0	12.7	215	275	85		18			2,5 t
	H22 H32	≥1,5	3.0	250	305	180		7		2,0 t	2,0 t
		3.0	6.0	250	305	180		8			2,5 t
		6.0	12.7	250	305	180		10			4,0 t
5754	0 H111	≥1,5	3.0	190	240	80		16		1,0 t	1,0 t
		3.0	6.0	190	240	80		18		1,0 t	1,0 t
		6.0	12.7	190	240	80		18			2,0 t
	H22 H32	≥1,5	3.0	220	270	130		10		2,0 t	1,5 t
		3.0	6.0	220	270	130		11			1,5 t
		6.0	12.7	220	270	130		10			2,5 t
HERMES - 5182 Special Elongation	0	≥4,6	6.0	280	350	125		26		1t	1t
	H111	6.0	8.0	280	350	125		26		2t	2t



## Quality Certification

Production according to EN, AA and ASTM standards.  
Hermes 5182 Special elongation conforms to the ADR rule.





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