



# VEGAFORM EVOLUTION 95100

For deep formed reflectors with mirror type finish  
 Reflector material efficiency class A (EN 16268:2013)

## TECHNICAL DATA

FINISHING	Brightening and anodising	
ALLOY	1085, Al 99.85 %	EN 573-3

## MECHANICAL VALUES

	Required	Standards
TEMPER	H 22	EN 515
TENSILE STRENGTH	60 - 80 N/mm <sup>2</sup>	EN 485-2
PROOF STRESS 0.2%	40 - 60 N/mm <sup>2</sup>	EN 485-2
MINIMUM ELONGATION A <sub>5</sub> A <sub>10</sub>	>25 %	EN 485-2

## OPTICAL VALUES

	Typical	Standards
TOTAL REFLECTANCE	> 94 %	ASTM E 1651 TR2 Reflectometer DIN 5036-3 (Ulbricht Globe)
DIFFUSE REFLECTANCE	< 30 %	DIN 5036-3 (Ulbricht Globe)
SPECULAR REFLECTANCE - along (60° head)	89 %	ISO 7668 (Refl. Dr. Lange EFO 3D)
SPECULAR REFLECTANCE - across (60° head)	89 %	ISO 7668 (Refl. Dr. Lange REFO 3D)
IRIDESCENCE	G	INTERNAL

NOTE : Iridescence internal classification N = normal , L = low , V = very low , G = no iridescence

## COATING SYSTEM CHARACTERISTICS

Anodized base coat, covered by a high reflectance, 99.99% pure aluminium reflectance layer, and an outer dual layer vacuum deposited oxide system, tuned for maximum reflection enhancement.

## COATING PERFORMANCE

Bending	No film de-lamination on forming to a bend radius of 1t in long or transverse directions.
Adhesion	Cross hatch tape pull-off test – no detachment of coating.

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All information provided is based on up-to-date values where possible. Optical values are average results from 0.4mm metal and are published for guidance only; they may vary according to raw material thickness. For more detailed information please contact our technical sales department. Physical characteristics of the materials are in accordance with EN (European Committee for Standardization).

### Test Standard for anodic oxidation

Microscopic measurement of oxide layer UNI EN ISO 1463/98

### General tolerance

Gauge tolerance: ± 0.03 mm  
 Width tolerance: ± 0.15 mm  
 Length-cut sheets: ± 1 mm/m

### Note

All materials listed above can be delivered in various sizes and shapes according to customer requirements. Products with protective tape are guaranteed for six months after delivery if they are stored in a conditioned room (temperature 20-30°C and relative humidity 50-60%) and kept away from sunlight and any heating source. Protective tape is not UV resistant

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