

<b>Manufacturer</b>	Mox Profile Systems
<b>Product Name</b>	Curvo
<b>Product Description</b>	Aluminium threshold transition
<b>Product No</b>	5070
<b>Document Title</b>	Design and quality of Curvo

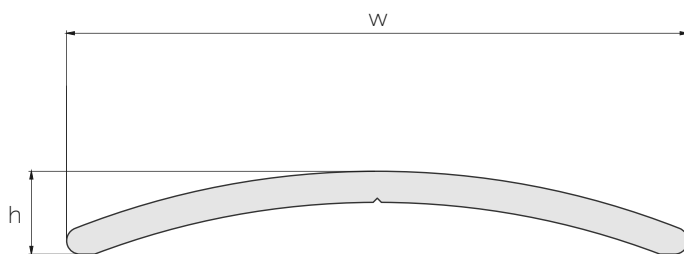
Curvo aluminium threshold transition profile stands out with its easy installation advantage and color options suitable for parquets. It covers the gaps between flooring or door threshold transitions with its oval form, hiding any application defect. It is also used as a separator frame in floor applications. It is extremely durable and long-lasting since it is produced from high quality raw material and has thick walls. Unlike its competitors, it stands out with its coating thickness and quality of anodizing, and with its pretreatment application that provides resistance to corrosion in electrostatic powder painting. Curvo provides a minimal appearance with its oval design. Curvo aluminium threshold transition can be easily installed by firmly pressing after adhesive is applied to the gap between the two flooring materials. Corners can be assembled by cutting the profile to 45 degrees. It is available in 2700mm length and 30mm width. Curvo aluminium threshold transition has matte anodized, bright anodized, satin chemical bright anodized and electrostatic powder painting options. While silver, yellow, inox, bronze and black anodized color coatings are available, it can also be painted to the desired RAL code with electrostatic powder painting.



### Warranty

Mox Profile Systems presents to your information that all our aluminium profile materials have been under warranty for 5 years from the date of receipt except for the user errors as listed below:

- Damage caused by impact
- Damage caused by scratching
- Damage caused by abrasive substance or chemical cleaning agents contact
- Damage caused by prolonged contact with water
- Damage caused by exposure to intense temperature
- Damage caused by montage



### Technical Details

Material:	Aluminium
Height:	4 mm
Width:	30 mm
Length:	2700 mm
Alloy:	EN AW 6463 T6, EN AW 6061 T6
Surface:	Powder Coated, Anodised, Chrome Plated

### Manufacturer Quality Certifications



### Important Note

THIS PRODUCT HAS BEEN DESIGNED BY MOX PROFILE SYSTEMS AT THE REQUEST OF THE CUSTOMER. MOX PROFILE SYSTEMS CANNOT BE HELD RESPONSIBLE FOR ANY INFRINGEMENT OF PATENTS, COPYRIGHTS OR OTHER SUCH CONDITIONS RELATED TO THE DESIGN

**ALLOY DATA SHEET**  
**EN AW 6463 ( AlMg0,7Si)**

**Place of Use**

The alloy EN AW-6463 is a widely used extrusion alloy, suitable for applications where only modest strength properties are required. Parts can be produced with a good surface quality, suitable for many coating operations. Typical application fields are furniture, finishing materials, windows and doors, car body finishing, façade construction, lighting columns and flagpoles.

**Chemical composition according to EN573-3** (weight%, remainder Al)

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
0,20-60	Max 0,15	0,2	Max 0,5	045 0,9	-	Max 0,05	Max 0,1	Rest

**Mechanical properties according to EN755-2**

Temper*	Wall Thickness e***	Proof Stress	Tensile Stress	Elongation		Brinell Hardness
				Min	Max	
	e*mm	R <sub>p0.2</sub> min Mpa	R <sub>m</sub> min Mpa	A <sub>50mm</sub> %	A %	HB**
T4	e≤50	75	125	14	12	46
T5	e≤50	150	110	8	6	60
T6	e≤50	195	160	10	8	74

\*Temper designation according to EN515: T4-Naturally aged to a stable condition, T5-cooled from an elevated temperature forming operation and artificially aged, T6-Solution heat treated, quenched and artificially aged.

\*\* Hardness values are for indication only

\*\*\*For different wall thicknesses within one profile, the lowest specified properties shall be considered as valid for the whole profile cross section

**Physical properties** (approximate values, 20°C)

Density	Melting range	Electrical conductivity	Thermal conductivity	Co-efficient of thermal expansion	Modulus of elasticity
[kg/m <sup>3</sup> ]	[°C]	[MS/m]	[W/m.K]	10 <sup>-6</sup> /K	[GPa]
2700	585-650	28-34	200-220	23.4	~70

**Weldability**<sup>1</sup>

Gas: 3 TIG: 2 MIG: 2

Typical filler materials (EN ISO18273): SG-AlMg5Cr(A) or AlSi5, and AlMg3 when the product has to be anodised. Due to the heat input during welding the mechanical properties will be reduced by approximately 50% (ref. EN1999-1).

Machining characteristics<sup>1</sup>: T4 Temper 3 / T5 and T6 Temper 2

Coating properties<sup>1</sup> Hard/protective anodising: 1 / Decorative/bright/colour anodising: 2

Corrosion resistance<sup>1</sup> General: 1 Marine: 2

<sup>1</sup>Relative qualification ranging from 1-very good to 6 – unsuitable