# MOX Systems - doiciméadú teicniúil

datasheet-gravity-en.pdf

Aistriúchán teicniúil: féach ar na bunlíníochtaí agus ar na leathanaigh thagartha le haghaidh toisí.

# Leathanach foinse 1

Bileog Sonraí Táirge

Córais Próifíl Mox Monaróir

Teideal an Doiciméid Dearadh agus Cáilíocht: MOX Domhantarraingt

Ainm Táirge Gravity

Cur síos ar an Táirge Próifíl an Bhoird Sciorta Alúmanam

Mír Uimh GRV

Réimse Úsáide Poiblí, Oifige, Cónaitheach

Ábhar EN AW 6463 T6, GA AW 6061 T6

Fad 2500mm

Dromchla Anodised

Próifíl saindeartha is ea bord sciorta alúmanaim Gravity atá ceangailte le himill íochtair an bhalla agus a chuireann cuma néata agus glan ar limistéir cairpéad.

Ní hamháin go soláthraíonn próifíl bord sciorta alúmanam Gravity aistriú gan uaim idir an t-urlár agus an balla, ach cuireann sé cosaint ar fáil freisin d'imill cairpéad.

Tá sé thar a bheith durable agus fada buan ós rud é go ndéantar é a tháirgeadh ó amhábhar ardchaighdeáin agus go bhfuil ballaí tiubh aige.

Murab ionann agus a chuid iomaitheoirí, seasann sé amach lena tiús sciath agus cáilíocht anodizing.

Soláthraíonn Gravity trasdul foirfe leis an urlár.

Cuirtear clúdaigh balla plástarchlár nó ceirmeach ar an bpróifíl, rud a chruthaíonn cuma flush leis an mballa.

Is féidir próifíl bhoird sciorta alúmanaim Gravity a shuiteáil go héasca trí ghreamaitheacha tíl a chur i bhfeidhm ar shíntí na n-alt.

Is féidir coirnéil a chur le chéile trí phróifíl a ghearradh go 45 céim.

Tá rogha sciath anodized Neamhlonrach ag bord sciorta alúmanam Gravity i ndath airgid.

Leathanach 1/2

Bharántas

Tá an táirge seo faoi bharántas ar feadh 5 bliana ón dáta fála ach amháin i gcás na n-earráidí úsáideora mar a liostaítear thíos:

Damáiste de bharr tionchair Damáiste de bharr scríobadh Damáiste de bharr teagmhála le substaint scríobach nó oibreáin ghlantacháin cheimiceacha Damáiste de bharr teagmháil fhada le huisce Damáiste de bharr nochtadh do theocht dhian Damáiste de bharr montáis

LANOITANRETNI FORANOISING CÁILÍOCHTLIPÉAL TIONSCAIL TS-GA 755-8 TS-GA 755-9 TS 4922

# Leathanach foinse 2

BILEOG SONRAÍ ALLOY

GA AW 6463 T6 [AlMg0.7Si]

Áit Úsáide

Is cóimhiotal easbhrúite é an cóimhiotal EN AW-6463 a úsáidtear go forleathan, atá oiriúnach d'iarratais nach dteastaíonn ach airíonna neart measartha.

Is féidir le codanna a bheith

a tháirgtear le caighdeán maith dromchla, oiriúnach le haghaidh go leor oibríochtaí sciath.

Is iad na gnáthréimsí feidhmchláir ná troscán, ábhair chríochnaithe, fuinneoga agus doirse,

bailchríoch carr-charr, tógáil aghaidheanna, colúin soilsithe agus cuaillí bratach.

Comhdhéanamh ceimiceach de réir EN573-3 (meáchan%, fuílleach Al)

Si Fe Cu Mn Mg Cr Zn Ti Al

0,20 - 0,60 Uasmhéid 0,15 0,2 Uasmhéid 0,5 0,45 - 0,9 - Uasmhéid 0,05 Uasmhéid 0,1 Sos

Airíonna meicniúla de réir EN755-2

Teocht* Tiús an Bhalla e*** Strus Toradh Neart Teanntachta Fadú Brinell Cruas

- e* mm Rp0,2 nóim Mpa Rm nó Min Mpa A50mm % - Uasta 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

* Ainmniú teochta de réir EN515: T4-Aois nádúrtha go riocht cobhsaí, T5-cooled ó oibríocht fhoirmiú teocht ardaithe agus

d'aois go saorga, teaschóireáil T6-Solution, múchta agus aois shaorga,

** Is le haghaidh tásc amháin atá luachanna cruas,

*** I gcás tiús bhallaí éagsúla laistigh d’aon phróifíl amháin, measfar go bhfuil na hairíonna sonraithe is ísle bailí do thrasghearradh iomlán na próifíle.

Airíonna fisiceacha (neasluachanna, 20°C)

Dlús Raon Leáphointe Leictreach Teirmeach Comhéifeacht de Modulus de

(kg/m³) (°C) seoltacht seoltacht leaisteachas teirmeach

2700 585-650 (MS/m) (W/m.K) leathnú (GPa)

28-34 200-220 $10^{-6}$/K ~70

Táthú[1]

Gás: 3 TIG: 2 MIG:2

Ábhair líonta tipiciúla (EN ISO18273): SG-AlMg5Cr(A) nó AlSi5, agus AlMg3 nuair is gá an táirge a anóidiú.

Mar gheall ar an ionchur teasa le linn táthú an

déanfar airíonna meicniúla a athchur faoi thart ar 50% (tag.

EN1999-1).

Saintréithe meaisínithe[1]: T4 Teocht 3 / T5, T6 Teocht 2

Airíonna brataithe[1] Anóidiú crua/cosanta: 1 / Maisiúil / geal / anóidiú datha: 2

Friotaíocht chreimeadh[1] Ginearálta: 1 Mara: 2

[1]Cáilíocht choibhneasta ó 1 - an-mhaith go 6 mhí-oiriúnach

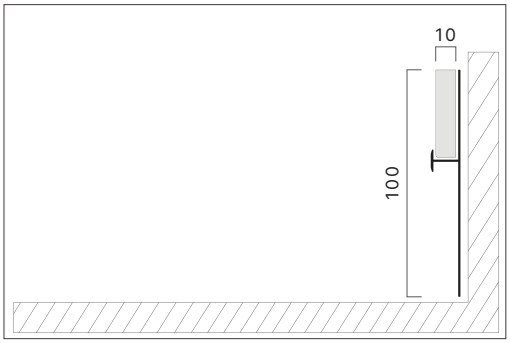
Leathanach 2/2

# Líníochtaí bunaidh agus leathanaigh tagartha

# Product Datasheet

| | |
|---|---|
| Manufacturer | Mox Profile Systems |
| Document Title | Design and quality: Gravity |
| Product Name | Gravity |
| Product Description | Aluminium Skirting Board Profile |
| Item No | GRV |
| Area of Use | Public, Office, Residantial |
| Material | EN AW 6463 T6, EN AW 6061 T6 |
| Length | 2500mm |
| Surface | Anodised |

Gravity aluminum skirting board is a specially designed profile that is attached to the lower edges of the wall and provide a neat and clean appearance to carpeted areas. Gravity aluminum skirting board profile not only provides a seamless transition between the floor and the wall, but also provides protection for carpet edges. 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. Gravity provides a perfect transition with the floor. Plasterboard or ceramic wall coverings are applied on the profile, creating a flush appearance with the wall. Gravity aluminum skirting board profile can be easily installed by applying tile adhesive to the joints extensions. Corners can be assembled by cutting profile to 45 degree. Gravity aluminum skirting board has a matte anodized coating option in silver color.



## Warranty

This product is 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

TS-EN 755-8 TS-EN 755-9 TS 4922

ALLOY DATASHEET

EN AW 6463 T6 [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, facade 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 - 0,60 | Max 0,15 | 0,2 | Max 0,5 | 0,45 - 0,9 | - | Max 0,05 | Max 0,1 | Rest |

### Mechanical properties according to EN755-2

| Temper* | Wall Thickness e*** | Yield Stress | Tensile Strength | Elongation | Brinell Hardness |
|---|---|---|---|---|---|
| - | e* mm | Rp0,2 min Mpa | Rm min Mpa | Min A50mm % - Max 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 ($kg/m^3$) | Melting range (°C) | Electrical conductivity (MS/m) | Thermal conductivity (W/m.K) | Co-efficient of thermal expansion $10^{-6}$/K | Modulus of elasticity (GPa) |
|---|---|---|---|---|---|
| 2700 | 585-650 | 28-34 | 200-220 | 23.4 | ~70 |

**Weldability**[1]

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 redured by approximately 50% (ref. EN1999-1).

Machining characteristics[1]: T4 Temper 3 / T5, T6 Temper 2

Coating properties[1] Hard/protective anodising: 1 / Decorative / bright / colour anodising: 2

Corrosion resistance[1] General: 1 Marine: 2

[1]Relative qualification ranging from 1-very good to 6-unsuitable