

MOX Systems - doiciméadú teicniúil

datasheet-wishled-en.pdf

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

Leathanach foinse 1

Bileog Sonraí Táirge

Córais Próifíl Mox Monaróir

Teideal an Doiciméid Dearadh agus cáilíocht: Wishled

Ainm Táirge Wishled

Cur síos ar an Táirge Bord Sciorta faoi stiúir Alúmanam Patrúnachta

Mír Uimh WSL

Réimse Úsáide Poiblí, Oifige, Cónaithe

Ábhar EN AW 6463 T6, GA AW 6061 T6

Fad 2500mm

Púdar Dromchla Brataithe, Anodised, Chrome Plátáilte

Is féidir le bord sciorta WishLED alúmanam LED mheaitseáil le haon timpeallacht mar gheall ar a roghanna dearadh patrún neamhtheoranta.

Is fearr é den chuid is mó mar soilsiú oíche i seomraí leanaí agus a chlúdach clóite deartha in-athsholáthair.

Is féidir é a úsáid freisin le haghaidh fógraíochta agus chun aitheantas corparáideach a chur i láthair i limistéir phoiblí.

Chomh maith lena ghné soilsiithe, clúdaíonn sé freisin na lochtanna sna hailt urláir agus balla.

Cuireann sé cosc ar chardadh salachar agus orgánaigh dhochracha úsáid shláintiúil agus shláintiúil a sholáthar le blianta fada.

Agus an limistéar cuasach ina dhearadh, bailíonn sé na cáblaí teileafóin, leictreachais agus idirlín chun do thimpeallacht a eagrú.

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

Murab ionann agus a chuid iomaitheoirí, seasann sé amach lena tiús sciath agus cáilíocht anodizing, agus lena iarratas pretreatment a sholáthraíonn friotaíocht creimeadh i péintéireacht púdar leictreastatach.

Is alúmanam iad frámaí uachtaracha agus íochtair WishLED agus tá painéal clóite deartha sa lár ar féidir iad a athsholáthar de réir blas.

Is féidir bord sciorta LED alúmanam WishLED a shuiteáil go héasca trí phróifíl an chomhlachta a shocrú go balla le scriúna agus na stiallacha stiúir agus an tiománaí taobh istigh a shuiteáil.

Críochnófar an t-iarratas tríd an bpainéal diffuser priontáilte dearadh tosaigh a fheistiú lena chóras ghlais snap.

Leis na caipíní clúdaigh istigh, seachtracha agus deiridh, atá ar an dath céanna leis na próifílí, is féidir casadh cúinne mín a chur i bhfeidhm go héasca gan gá le gearrtha dronuilleach.

Coscann caipíní cúinne lochtanna soilsiithe freisin.

Tá roghanna péintéireachta púdar anodized, geal anodized, ceimiceacha satin geal anodized agus leictreastatach ag bord sciorta LED alúmanaim patrún WishLED.

Cé go bhfuil cótaí dath anodized airgid, buí, inox, cré-umha agus dubh ar fáil, is féidir é a phéinteáil freisin chuig an gcód RAL atá ag teastáil le péintéireacht púdar leictreastatach.

Chomh maith leis na dearáí patrún atá ann cheana féin a chuirimid ar fáil don phainéal soilsiú, is féidir dearáí pearsantaithe a chur i bhfeidhm freisin.

Leathanach 1/3

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

LANOITANRETN 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 cuailí 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, teaschoireáil 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 (neasluchanna, 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

Táthú¹

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 meaisínithe¹: T4 Teocht 3 / T5, T6 Teocht 2

Airíonna brataithe¹ Anóidiú crua/cosanta: 1 / Maisiúil / geal / anóidiú datha: 2

Friotaíocht chreimeadh¹ Ginearálta: 1 Mara: 2

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

Leathanach 2/3

Leathanach foinse 3

Stráice Diffuser Faoi stiúir Trédhearcach Pvc

Téip tomhais, gan uillinn Téip tomhais, uimh

Lamháltais Sábha Caoinfhulaingt Chonaic (Gearr Inlíne)

tástáil uillinn tástála

DIN 16941:2021-11 Caoinfhulaingt an trastomhas ciorclach agus airde an chamfer (mm) DIN 16941:2021-11 4 Teilifís lamháltas saobhadh

Sraith Caoinfhulaingt 3 3-6 6-10 10-18 30-50 50-80 >50 Caoinfhulaingt MOX LÍNE <30 30-60 60-120 120-180 180-250 >250

2A & 2B ± 0.5 $\pm 20\%$ $\pm 18\%$ $\pm 15\%$ $\pm 15\%$ $\pm 12\%$ $\pm 10\%$ 2A, 3A, 4A 5° 4° 3°30' 3° 2°30' 2°

DIN 16941: 2021-11 Raon Méid Ainmniúil (mm)

Caoinfhulaingt tiús bhalla Caoinfhulaingt le tomhais faid

Sraith Caoinfhulaingt

2A & 2B ± 0.2 ± 0.3 ± 0.4 ± 0.5 ± 0.6 $\pm 0.8\%$ ± 0.3 ± 0.4 ± 0.5 ± 0.6 ± 0.7 ± 0.8 ± 1.0 ± 1.2 ± 2.0 ± 3.0

Leathanach 3/3

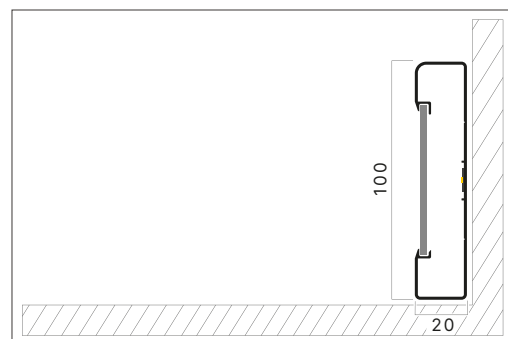
Líníochtaí bunaidh agus leathanaigh tagartha

Product Datasheet



Manufacturer	Mox Profile Systems
Document Title	Design and quality: Wishled
Product Name	Wishled
Product Description	Patterned Aluminium LED Skirting Board
Item No	WSL
Area of Use	Public, Office, Residential
Material	EN AW 6463 T6, EN AW 6061 T6
Length	2500mm
Surface	Powder Coated, Anodised, Chrome Plated

WishLED aluminium LED skirting board can match with any environment due to its unlimited pattern designs options. It is mostly preferred as night lighting in children's rooms with its replaceable design printed cover. It can also be used for advertising and to present corporate identity in public areas. In addition to its illumination feature, it also covers the defects in floor and wall joints. It prevents dirt accumulation and harmful organisms to provide hygienic and healthy use for many years. With the hollow area in its design, it collects the telephone, electricity and internet cables to organize your environment. 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. WishLED's upper and lower frames are aluminium and has design printed panel in the middle that can be replaced according to taste. WishLED aluminium LED skirting board can be easily installed by fixing the body profile to wall with screws and installing the LED strips and driver inside. Application will be completed by mounting the front design printed diffuser panel with its snap lock system. With the inner, outer and end covering caps, which are the same color as the profiles, smooth corner turns can be easily applied without the need for an angled cut. Corner caps also prevent lighting flaws. WishLED patterned aluminium LED skirting board 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. In addition to existing pattern designs we offer for the illuminator panel, personalized designs can also be applied.



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



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/m³)	Melting range (°C)	Electrical conductivity (MS/m)	Thermal conductivity (W/m.K)	Co-efficient of thermal expansion	Modulus of elasticity (GPa)
2700	585-650	28-34	200-220	10 ⁻⁶ /K 23.4	~70

Weldability¹

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 characteristics¹: T4 Temper 3 / T5, T6 Temper 2

Coating properties¹ Hard/protective anodising: 1 / Decorative / bright / colour anodising: 2

Corrosion resistance¹ General: 1 Marine: 2

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

Pvc Transparent Led Diffuser Strip

Saw Tolerances							Measuring tape, no angle test	Saw Tolerances (Inline Cut)							Measuring tape, no angle test
<500	>500	>1000	>1500	>2000	>3000	>4000	>4500	<500	>500	>1000	>1500	>2000	>3000	>4000	>4500
±0.3	±0.5	±1.0	±1.5	±2.0	±3.0	±4.0	±0.1%	±0.3	±0.5	±1.0	±1.5	±2.0	±3.0	±4.0	±0.1%

DIN 16941:2021-11	Tolerance of the circular diameter and chamfer heights (mm)							DIN 16941:2021-11	4 Distortion tolerance TV					
Tolerance Series	3	3-6	6-10	10-18	30-50	50-80	>50	Tolerance Line	<30	30-60	60-120	120-180	180-250	>250
2A & 2B	±0.5	±20%	±18%	±15%	±15%	±12%	±10%	2A, 3A, 4A	5°	4°	3°30'	3°	2°30'	2°

DIN 16941:2021-11	Nominal Size Range (mm)															
Tolerance Series	Tolerance of wall thickness						Tolerances of length measurements									
	1.2	1.2-2.5	2.5-4	4-6.5	6.5-10	>10	<3	3-6	6-10	10-18	18-30	30-50	50-80	80-120	120-250	250-400
2A & 2B	±0.2	±0.3	±0.4	±0.5	±0.6	±0.8%	±0.3	±0.4	±0.5	±0.6	±0.7	±0.8	±1.0	±1.2	±2.0	±3.0

