

# Sistemi MOX - dokumentazzjoni teknika

datasheet-flex-en.pdf

Traduzzjoni teknika: ikkonsulta t-tpingijiet originali u l-paġni ta' referenza għad-dimensjonijiet.

## Paġna tas-sors 1

Skeda tad-Data tal-Prodott

Manifattur Mox Profil Systems

Titlu tad-Dokument Disinn u kwalità: Flex

Isem tal-Prodott Flex

Deskrizzjoni tal-Prodott Aluminju Formable Flooring Xifer

Oġġett Nru FLX

Żona ta' Użu Kamra tal-banju, Kċina

Materjal EN AW 6463 T6, EN AW 6061 T6

Tul 2500mm

Trab tal-wiċċ miksi, anodizzat, miksi bil-kromju

Il-profil tat-tarf tal-art formabbli tal-aluminju Flex jintuża f'applikazzjonijiet tal-parkè jew taċ-ċeramika bħala qafas li jaħbi s-sezzjoni tal-art, li tissostitwixxi l-ġonot.

Minbarra li tikkoreġi l-iżbalji tal-ġogi u tal-installazzjoni u ttejjeb l-estetika, tipprevjeni wkoll ħsara lill-kisi tal-art.

Il-profil tat-tarf tal-art formabbli tal-aluminju Flex huwa ddisinjat biex jiffaċilita t-tranżizzjoni tal-materjali tal-art.

Id-disinn flessibbli tiegħu jippermetti li titgħawweġ fil-forma mixtieqa.

Minbarra l-vantaġġi funzjonali tagħha, id-dehra minima tagħha ttejjeb id-dehra ġenerali tad-disinji tiegħek.

Huwa estremament durabbli u fit-tul peress li huwa prodott minn materja prima ta 'kwalità għolja u għandu ħitan ħoxnin.

B'differenza mill-kompetituri tagħha, tispikka bil-ħxuna tal-kisi tagħha u l-kwalità ta 'anodizzar, u bl-applikazzjoni ta' pretrattament tagħha li tipprovdi reżistenza għall-korrużjoni fil-pittura tat-trab elettrostatiku.

Flex jippermetti d-disinn ta 'soluzzjonijiet kreattivi ta' art bil-forma flessibbli tiegħu.

Il-profil tat-tarf tal-art formabbli tal-aluminju Flex jista 'jiġi installat faċilment billi jiġi applikat kolla tal-madum għal estensjonijiet kongunti u tagħfas sew il-madum li jmissu f'posthom.

Il-kantunieri jistgħu jiġu mmuntati billi jinqatgħu l-profil għal 45 grad.

Il-profil tat-tarf tal-art formabbli tal-aluminju Flex għandu għażliet ta 'pittura ta' trab anodizzat matte, anodizzat qawwi u elettrostatiku.

Filwaqt li kisjiet tal-kulur tal-fidda, isfar, inox, iswed anodizzati huma disponibbli, jista 'wkoll jiġi miżbugħ skont il-kodiċi RAL mixtieq b'pittura ta' trab elettrostatiku.

Paġna 1/2

Garanzija

Dan il-prodott huwa taħt garanzija għal 5 snin mid-data tal-wasla ħlief għall-iżbalji tal-utent kif elenkati hawn taħt:

Ħsara kkawżata minn impatt Ħsara kkawżata minn grif Ħsara kkawżata minn kuntatt ta' sustanza li joborxu jew aġenti kimiċi tat-tindif Ħsara kkawżata minn kuntatt fit-tul mal-ilma Ħsara kkawżata minn espożizzjoni għal temperatura intensa Ħsara kkawżata minn muntaġġ

LANOITANRETNĠ FORANODISING QUALITYLABEL INDUSTRIJALI TS-EN 755-8 TS-EN 755-9 TS 4922

# Paġna tas-sors 2

SKEDA TA' DATA TAL-LIGA

EN AW 6463 T6 [AlMg0.7Si]

Post tal-Użu

Il-liga EN AW-6463 hija liga ta' estrużjoni użata ħafna, adattata għal applikazzjonijiet fejn huma meħtieġa biss proprjetajiet ta' saħħa modesti.

Partijiet jistgħu jkunu

prodott bi kwalità tajba tal-wieċċ, adattat għal ħafna operazzjonijiet ta' kisi.

Oqsma tipiċi ta' applikazzjoni huma għamara, materjali tal-irfinar, twieqi u bibien, irfinar tal-karozzerija tal-karozzi, kostruzzjoni tal-faċċata, kolonni tad-dawl u arbli tal-bandiera.

Kompożizzjoni kimika skond EN573-3 (piż%, bqija 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 Mistrieħ

Proprjetajiet mekkaniċi skond EN755-2

Temper\* Ħxuna tal-ħajt e\*\*\* Stress ta' Rendiment Qawwa tat-tensjoni Titwil Ebusija Brinell

- 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

\* Deżinjazzjoni tat-temper skont EN515: T4-Naturalment imqadded għal kundizzjoni stabbli, T5-mkessaħ minn operazzjoni ta' formazzjoni ta' temperatura elevata u

imqadded artifiċjalment, T6-Solution ittrattat bis-sħana, imkessaħ u imqadded artifiċjalment,

\*\* Il-valuri tal-ebusija huma għal indikazzjoni biss,

\*\*\* Għal ħxuna tal-ħajt differenti fi ħdan profil wieħed, il-proprjetajiet speċifikati l-aktar baxxi għandhom jitqiesu bħala validi għas-sezzjoni trasversali tal-profil kollu.

Proprjetajiet fiżiċi (valuri approssimattivi, 20°C)

Densità Tidwib firxa Elettriku Termali Ko-effiċjent tal-Modulu ta'

(kg/m³) (°C) konduttività konduttività elasticità termali

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

28-34 200-220 10<sup>-6</sup>/K ~70

Weldability<sup>1</sup>

Gass: 3 TIG: 2 MIG: 2

Materjali tipiċi tal-mili (EN ISO18273): SG-AlMg5Cr(A) jew AlSi5, u AlMg3 meta l-prodott irid jiġi anodizzat.

Minħabba l-input tas-sħana waqt l-iwweldjar l

il-proprjetajiet mekkaniċi se jitnaqqsu b'madwar 50% (ref.

EN1999-1).

Karatteristiċi tal-magni<sup>1</sup>: T4 Temper 3 / T5, T6 Temper 2

Proprjetajiet tal-kisi<sup>1</sup> Anodizzar iebes/protettiv: 1 / Dekorattiv / qawwi / anodizzazzjoni bil-kulur: 2

Reżistenza għall-korrużjoni<sup>1</sup> Ġenerali: 1 Marittimu: 2

<sup>1</sup>Kwalifiki relattiva li tvarja minn 1-tajjeb ħafna sa 6-mhux addattat

Pàġna 2/2

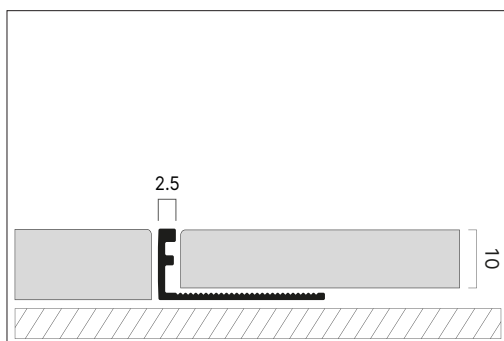
Tpingijiet originali u pagni ta' referenza

# Product Datasheet



|                     |                                        |
|---------------------|----------------------------------------|
| Manufacturer        | Mox Profile Systems                    |
| Document Title      | Design and quality: Flex               |
| Product Name        | Flex                                   |
| Product Description | Aluminium Formable Flooring Edge       |
| Item No             | FLX                                    |
| Area of Use         | Bathroom, Kitchen                      |
| Material            | EN AW 6463 T6, EN AW 6061 T6           |
| Length              | 2500mm                                 |
| Surface             | Powder Coated, Anodised, Chrome Plated |

Flex aluminum formable flooring edge profile is used in parquet or ceramic applications as a frame that conceals the floor section, replacing joints. In addition to correcting joint and installation mistakes and improving aesthetics, it also prevents damage to the floor coverings. Flex aluminum formable flooring edge profile is designed to facilitate the transition of flooring materials. Its flexible design allows it to be bent into the desired shape. In addition to its functional advantages, its minimal appearance enhances the overall look of your designs. 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. Flex allows the design of creative flooring solutions with its flexible form. Flex aluminum formable flooring edge profile can be easily installed by applying tile adhesive to joint extensions and firmly pressing adjoining tiles into place. Corners can be assembled by cutting the profile to 45 degrees. Flex aluminum formable flooring edge profile has matte anodized, bright anodized and electrostatic powder painting options. While silver, yellow, inox, black anodized color coatings are available, it can also be painted to the desired RAL code with electrostatic powder painting.



## 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<br>(kg/m³) | Melting range<br>(°C) | Electrical<br>conductivity<br>(MS/m) | Thermal<br>conductivity<br>(W/m.K) | Co-efficient of<br>thermal<br>expansion | Modulus of<br>elasticity<br>(GPa) |
|--------------------|-----------------------|--------------------------------------|------------------------------------|-----------------------------------------|-----------------------------------|
| 2700               | 585-650               | 28-34                                | 200-220                            | 10 <sup>-6</sup> /K<br>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, 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