

Mex[®] FLAT-ALU-A4

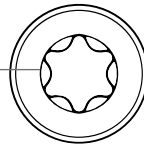
TECHNICAL DATA SHEET

Mex-Flat-ALU-A4 made of austenitic stainless steel A4 is a screw that was developed specifically for fastening terrace boards to aluminum base profiles.

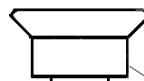
The screw has a reinforced shank, additional drive thread, specially designed tip, Torx profile and many other advantages.

Description and Benefits of the Mex-Flat-ALU-A4

TORX PROFILE: Transmits greater torque



SCREW SHAFT: Reduces friction and installation torque, increases resistance to breakage, and ensures efficient power transmission



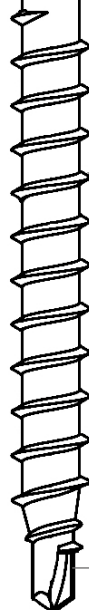
FLAT HEAD: Aligns with the surface of the wooden material for a seamless appearance

STAINLESS STEEL A4: Excellent corrosion resistance, ideal for outdoor use in woods with high tannin content

+ PASSIVATION PROTECTION: Enhances corrosion resistance

REINFORCED SHANK: Ideal for tropical hardwoods, reducing the risk of screw head breakage

SUITABLE USE: Terraces and building structures made of hardwood and tropical woods with a high tannin content, but also for thermowood and coniferous woods with an aluminum substructure



DRIVING THREADS: Allows quick screwing of decking boards to the wooden substructure

TIP: Specially designed screw tip to make countersinking into aluminum fast but at the same time to prevent damage to the profile

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Material Description – Stainless Steel A4

- ✓ Suitable for woods with high tannin content, such as Cumaru, Merbau, Bangkirai, etc., as well as thermowood and softwoods species
- ✓ **Surface treatment by passivation** increases corrosion protection
- ✓ Suitable for saline environments
- ✓ Acid-resistant under certain conditions
- ✓ Can be used in service classes 1, 2, and 3 (ČSN EN 1995-1-1)
- ✓ Suitable for chlorinated environments to a limited extent



ALUMINIUM



SOFTWOOD
AND HARDWOOD
APPLICATION



GOOD RESISTANCE
IN SALINE
ENVIRONMENTS



DECKING
APPLICATIONS



GENERAL USE
FOR WOOD
CONSTRUCTIONS



APPLICATION
IN AREA OF
INDOOR POOLS



ACID
RESISTANCE



Mex-Flat-ALU-A4 is intended for:



Softwood species

- ✓ Spruce
- ✓ Siberian Larch
- ✓ Silesian Larch
- ✓ Cedar
- ✓ Pine (with and without pressure treatment)



Thermowood

- ✓ Thermowood Pine
- ✓ Thermowood Ash
- ✓ Thermowood Spruce



**Hardwood species –
with high tannin
content**

- ✓ Bangkirai
- ✓ Massaranduba
- ✓ Dark Red Meranti - Bukit
- ✓ Merbau
- ✓ Garapa
- ✓ Ipe
- ✓ Teak
- ✓ Cumaru
- ✓ Oak

Note: This recommendation may not apply to all usage scenarios. The properties and lifespan of the screw can be influenced by specific environmental conditions. Therefore, we recommend consulting with your dealer.

Decking Screw Offer

Art. No.	Screw Name	Size	Torx	Packaging
5546A4ALU	Mex-Flat-Alu-A4	5,5x46 mm	TX25	200 pcs
5551A4ALU	Mex-Flat-Alu-A4	5,5x51 mm	TX25	200 pcs

During installation, it is recommended to pre-drill holes for the screws to ensure accuracy and reduce the risk of material damage.



With Pre-drilling



Without Pre-drilling