

Mex[®] FLAT-UNI-A2

TECHNICAL DATA SHEET

Mex-Flat-UNI-A2 made of A2 austenitic stainless steel is a screw specially developed for fastening wooden components to wooden substructures.

The screw features a knurled star thread, an additional driving thread, ribs under the head, Torx drive, and many other advantages.

Description and Benefits of the Mex-Flat-UNI-A2

SHANK: Reduces friction and installation torque, increases resistance to breakage, and ensures efficient force transmission

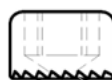
STAINLESS STEEL A2: A2 stainless steel offers good corrosion resistance in mildly aggressive environments. It is ideal for exterior use as it reliably withstands common weather conditions.

+ PASSIVATION PROTECTION: Surface treatment by passivation improves corrosion resistance.

SUITABLE USE: Suitable for most decking, facade cladding, and building structures where extreme chemical exposure (such as swimming pools or seawater environments) is not expected.



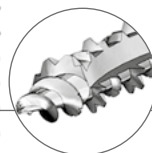
TORX DRIVE: Transfers higher torque



FLAT HEAD: Flush alignment with the wood surface for a clean and unobtrusive appearance

RIBS UNDER THE HEAD: Reduce the risk of burr formation – clean joint

DRIVING THREADS: The lower thread enables fast screwing. The upper thread additionally pulls decking boards tightly to the supporting structure.



KNURLED STAR THREAD: Cuts wood fibers into fine powder, facilitating penetration into both softwood and hardwood without disrupting the grain structure and providing additional joint security

TIP: Facilitates easy penetration into the material

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Material Description – Stainless Steel A2

- ✓ High corrosion resistance in humid environments. Suitable for wood species such as Thermowood, softwood, and selected exotic woods with lower tannin content, such as Garapa and Dark Red Meranti.
- ✓ Surface treatment by passivation – increases corrosion protection.
- ✓ Conditionally suitable for wood species with lower tannin content.
- ✓ Conditionally suitable for acidic environments.
- ✓ Not suitable for environments containing chlorine or salt (swimming pools, seaside areas)



DECKING
APPLICATIONS



CLADDING
APPLICATIONS



GENERAL USE
FOR WOOD
CONSTRUCTIONS



SOFTWOOD
AND HARDWOOD
APPLICATION



LIMITED ACID
RESISTANCE



Mex Flat-UNI-A2 is intended for:



Softwood species

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



Thermowood

- ✓ Thermowood Pine
- ✓ Thermowood Spruce



**Hardwood species –
with lower tannin
content**

- ✓ Massaranduba
- ✓ Garapa
- ✓ Jatoba
- ✓ Dark Red Meranti - Bukit

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.

Mex® FLAT-UNI-A2

Decking Screw Offer

Art. No.	Screw Name	Size	Torx	Packaging
440A2UNI	Mex-Flat-UNI-A2	4,0x40 mm	TX15	200 pcs
445A2UNI	Mex-Flat-UNI-A2	4,0x45 mm	TX15	200 pcs
450A2UNI	Mex-Flat-UNI-A2	4,0x50 mm	TX15	200 pcs
4540A2UNI	Mex-Flat-UNI-A2	4,5x40 mm	TX20	200 pcs
4545A2UNI	Mex-Flat-UNI-A2	4,5x45 mm	TX20	200 pcs
4550A2UNI	Mex-Flat-UNI-A2	4,5x50 mm	TX20	200 pcs
4560A2UNI	Mex-Flat-UNI-A2	4,5x60 mm	TX20	200 pcs
540A2UNI	Mex-Flat-UNI-A2	5,0x40 mm	TX20	200 pcs
545A2UNI	Mex-Flat-UNI-A2	5,0x45 mm	TX20	200 pcs
550A2UNI	Mex-Flat-UNI-A2	5,0x50 mm	TX20	200 pcs
555A2UNI	Mex-Flat-UNI-A2	5,0x55 mm	TX20	200 pcs
560A2UNI	Mex-Flat-UNI-A2	5,0x60 mm	TX20	200 pcs
570A2UNI	Mex-Flat-UNI-A2	5,0x70 mm	TX20	200 pcs
5540A2UNI	Mex-Flat-UNI-A2	5,5x40 mm	TX25	200 pcs
5545A2UNI	Mex-Flat-UNI-A2	5,5x45 mm	TX25	200 pcs
5550A2UNI	Mex-Flat-UNI-A2	5,5x50 mm	TX25	200 pcs
5555A2UNI	Mex-Flat-UNI-A2	5,5x55 mm	TX25	200 pcs
5560A2UNI	Mex-Flat-UNI-A2	5,5x60 mm	TX25	200 pcs
5570A2UNI	Mex-Flat-UNI-A2	5,5x70 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