

# Mex<sup>®</sup> FLAT-C1

## TECHNICAL DATA SHEET

Mex-Flat C1, made from martensitic stainless steel C1, is a screw specifically developed for fastening decking boards to wooden substructures.

The screw features an extra flat head, milling and driving threads, a Torx profile, and many other advantages.

### Description and Benefits of the Mex-Flat C1

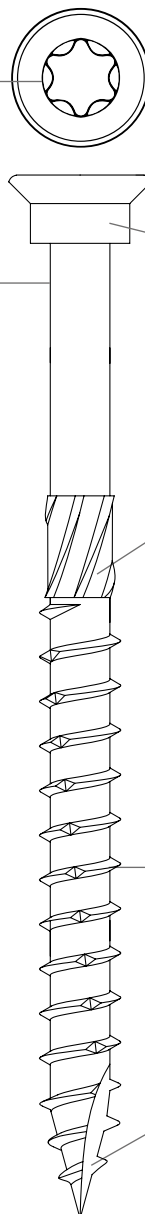
**TORX PROFILE:** Transmits greater torque

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

**MARTENSITIC STAINLESS STEEL C1:** High-strength steel with good mechanical resistance. It is corrosion-resistant in less aggressive environments and withstands typical weather conditions excellently

**+ PASSIVATION PROTECTION:** Enhances corrosion resistance

**SUITABLE USE:** Ideal for mounting terraces, outdoor furniture, and wooden structures in mild outdoor conditions. Best used with wood types with low tannin content, providing long service life and reliable performance



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

**REINFORCED SHANK:** Ideal even for harder woods, reducing the risk of screw head breakage

**MILLING THREAD:** Reduces friction and resistance during screwing, minimizes the risk of wood splitting, effectively removes chips, and ensures a firm hold of the screw in the material

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

**TIP:** Equipped with a notch for easier screwing

## Material Description – Stainless Steel C1

- ✓ Suitable for softwood species and woods with low tannin content, such as pine, spruce, larch, etc.
- ✓ **Surface treatment by passivation** increases corrosion protection
- ✓ **High durability:** C1 is martensitic stainless steel, hardened, and has 50% higher breakaway torque than austenitic stainless steel A2 and A4
- ✓ **Limited corrosion resistance:** Stainless steel C1 is not suitable for use in aggressive environments, such as areas with high salt or chlorine content
- ✓ Magnetic properties



SOFTWOOD APPLICATIONS



HIGH STRENGTH OF THE SCREW



DECKING APPLICATIONS



GENERAL USE FOR WOOD CONSTRUCTIONS



MAGNETIC PROPERTIES OF THE SCREW



## Mex-Flat C1 is intended for:



### Softwood species

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

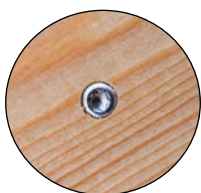
*Note: This recommendation may not apply to all usage scenarios. The properties and lifespan of the screw can be influenced by specific environmental conditions. Therefore, we recommend consulting with your dealer.*

*\* It is possible to use, but we recommend consulting with your dealer.*

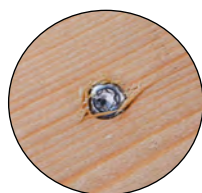
## Decking Screw Offer

Art. No.	Screw Name	Size	Torx	Packaging
450C1FLAT	Mex-Flat-C1	4.0x50 mm	TX15	200 pcs
550C1FLAT	Mex-Flat-C1	5.0x50 mm	TX25	200 pcs
560C1FLAT	Mex-Flat-C1	5.0x60 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