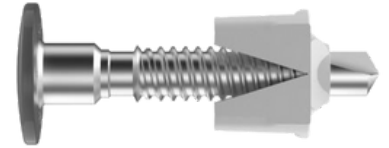


Product Description

EQUITONE high-density fiber cement façade panels may be face-fixed to a metal supporting frame using the EQUITONE UNI-Metal Screw.

The EQUITONE UNI-Metal Screw can be used to affix **8 mm** thick EQUITONE panels: EQUITONE [linea], EQUITONE [natura], EQUITONE [natura] PRO, EQUITONE [pictura], EQUITONE [tectiva], to a vertical façade, soffit or ceiling.



1. Technical Characteristics

With its unique design, the EQUITONE UNI-Metal Screw provides a fixing solution that does not require predrilling of the metal framing while the centering tip ensures the screw is centered in the panel fixing hole. The screw has a special Torx T25W recess.

EQUITONE UNI-Metal Screw is available for:	
8 mm thick panel	5.8x36 UNI-Metal Screw

UNI-Metal Screw Dimensions	
Diameter 1/32"	7/32" [5.8 mm]
Length (L)	1 7/16" [36 mm]
Head diameter	19/32" [15 mm]

UNI-Metal Screw Materials	
Body	AISI 304 [A2]
Drill point	carbon steel

Fastener ultimate tensile strength 2180 lbf (9700 N) and shear strength 2045 lbf (9100 N) per technical data sheet ETEX SX4-5.8 | V4.01.

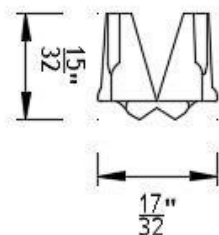
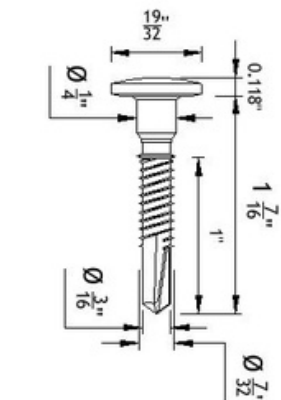
Material	Ultimate Pull-Through Resistance	Ultimate Shear Resistance
Autoclave ¹	681 lbf (3029 N)	925 lbf (4114 N)
Air-cured ²	622 lbf (2766 N)	848 lbf (3772 N)

¹ Test report C6589.10-106-31

² Test report C6589.02-106-31

Material	Yield Strength	Thickness	Ultimate Withdrawal Resistance ¹
Steel	33 ksi (227 Mpa)	0.048 in (1.22mm)	417 lbf (1855 N)
	50 ksi (344 Mpa)	0.060 in (1.52mm)	527 lbf (2344 N)
Aluminum 6063-T5	16 ksi (110 Mpa)	0.071 in (1.8mm)	616 lbf (2740 N)
	16 ksi (110 Mpa)	0.125 in (3.125mm)	633 lbf (2815 N)

¹ Test report 6111.24



UNI-Metal Screw Coating: The bi-metal UNI-Metal Screws have color-matched heads to match the panel color. An optional marine protection is available on request. The coating thickness is 30 - 80 µm depending on the finish.

2. Centering tip

The EQUITONE UNI-Metal Screw has a 'centering tip' that provides a centered installation to ensure minimum strain is placed on the panel.

The 'centering tip' is fabricated of biodegradable raw materials according to test standard DIN EN ISO 14855. *



*The self-centering tip will break down biologically if exposed to suitable conditions like soil and sunlight. However, it is unlikely to decompose quickly if disposed of in a normal waste stream.

3. Packaging

EQUITONE UNI-Metal Screw

250 pieces per box - 1 torx bit included

4. Supporting Frame

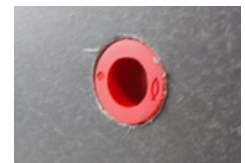
UNI-Metal Screws can be used with 33ksi 18 - 55ksi 16 gauge steel frames and with 0.071 - 0.125" 6063-T5 aluminum frames.

5. Application

UNI-Metal Screw copies the fixing principle of UNI-Rivet:

- All holes in the panel are to be 11 mm in diameter
- 2 STOP fixing points per panel
- All other fixing points to be GO points
- Foam tape is used between the panel and the metal frame.

The screw is compatible with the 13/32" [10.25 mm] long RED sleeves of the UNI-Rivet system. For the two STOP points the centering tip must be removed from the screw. The STOP points are formed by inserting the red sleeves in the oversized 11 mm holes.



Read the application guidelines for the correct procedures.

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