TECHNICAL INFORMATION

Adek Screw Technical Data and Placement Information:

(Adek Comfort Grip and Enhanced Grip; 295mm and 147 profiles)

Use a suitable drill with a Hex head fitting.

Adek screws are available in two sizes a 5.5x38mm and 5.5x25mm.

Adek 295mm boards have a channel base thickness of 2.75mm.

Adek 147mm boards have a channel base thickness of 2mm.

Both screws are suitable for a steel and aluminium subframe.

Both screws have a rubber washer to minimise water ingress into the substructure.

For both 295mm and 147mm profiles, 1 screw must be used in both channels on each bearer - See Diagrams 1 and 2

Screws must not be fitted any closer than 20mm from the edge of the board.

Clear swarf after predrilling to achieve a clean finish before fixing the Universal Channel Cover.

To ensure you are using the correct screw for your subframe please consider the 2.75mm base thickness of the Adek boards.

For example: Substructure wall thickness + Adek board = Max base thickness
4mm + 2.75mm = 6.75mm. The screw for this use would be 5.5x38mm.

Max wall thickness 6mm and below:

- 5.5x25mm screw to be used.
- Must be pre-drilled to clear swarf.
- Predrill using a 3mm bit.

Max wall thickness 6mm to 12mm:

- 5.5x38mm screw to be used.
- Must be predrilled to clear swarf.
- Predrill using a 3.5mm bit.

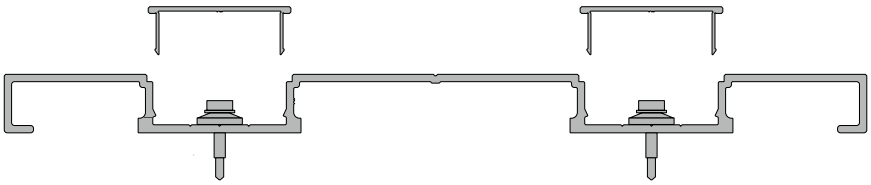

Diagram 1

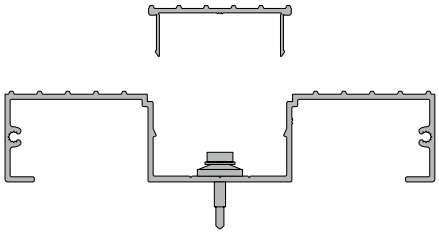

Diagram 2

Universal End Trim

- For fixing the End Trim use the Adek End Trim Screws*.
- These screws are 4.8x19mm with a TX25 Head.
- These must be predrilled using a 3mm bit.
- If using the End Trim, it must be fixed along its length to everyAdek board.

End Plates (Applies to Enhanced Grip Profiles Only)

- For fixing the End Plate use the Adek End Trim Screws*.
- Use predrilled holes in End Plate and match with screw ports on the Adek board
- Fix every hole to match screw ports in Adek board

*Adek End Plate and End Trim Screws must be ordered separately to Adek Board Screws

From ecodek®

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Adek Screw Technical Data

Product	Size	Thread Diameter (mm)	Length (Mm)	Effective Thread Length (Mm)	Socket Size (Mm)	Head Height (Mm)	Fixed Washer (Mm)	Edpm Washer (Mm)	Drill Tip Angle (Degree)	Drill Tip Length (Degree)	Drill Tip Width (Mm)
	5.5x25	5.5	25	10	8	5.6	12	16	110	8	4.5

MATERIAL	FINISH	CORROSION RATING	SALT SPRAY RESISTANCE IN ACC. WITH BS EN 9227 (Hrs)
Case & core hardened carbon steel	Exterior (silver organic)	3-Urban & industrial areas with a low salt atmosphere	1000

HEAD TYPE	MAX DRILLING THICK-NESS (mm)	RECOMMENDED 9RPM)	APPROVAL
HEX	5	1000-1800	*BS EN 14566:2008

PULL OUT TESTS (Ult) S275 STEEL (Kn) - 3.0mm THICKNESS	PULL OUT TESTS (Ult) - 5.0mm THICKNESS
7.1	13.4

Product	Size	Thread Diameter (mm)	Length (Mm)	Effective Thread Length (Mm)	Socket Size (Mm)	Head Height (Mm)	Fixed Washer (Mm)	Edpm Washer (Mm)	Drill Tip Angle (Degree)	Drill Tip Length (Degree)	Drill Tip Width (Mm)
	5.5x38	5.5	38	16	8	5.6	12	16	110	15	5

MATERIAL	FINISH	CORROSION RATING	SALT SPRAY RESISTANCE IN ACC. WITH BS EN 9227 (Hrs)
Case & core hardened carbon steel	Exterior (silver organic)	3-Urban & industrial areas with a low salt atmosphere	1000

HEAD TYPE	MAX DRILLING THICK-NESS (mm)	RECOMMENDED 9RPM)	APPROVAL
HEX	12	1000-1800	*BS EN 10666 (DIN 7504)

PULL OUT TESTS (Ult) S275 STEEL (Kn) - 6.0mm THICKNESS	PULL OUT TESTS (Ult) - 10.0mm THICKNESS
12.4	117.8

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