



**Urban Direct
Wholesale**
Sourcing Better Products



StructurAL®

A complete solution for the construction
of low height decks over existing solid surfaces



StructurAL® is the ideal solution for constructing decks over solid surfaces where strength, durability, and ease of installation are important. It is perfect for use over waterproof membranes or for the renovation of existing tiled or concrete floors. Lightweight components are combined to provide a level and stable frame with high load capacity.

BENEFITS

- 🟩 **Complete system:** all components are designed to work together for a simple and efficient deck installation
- 🟩 **Low deck height:** the combination of pedestals, joists and deck enables a deck floor from 78mm (to underside of decking profile)
- 🟩 **Strength:** Strong, rot-proof, ultra-lightweight.
- 🟩 **Durability:** Superior durability to conventional wood sub-structures in all weather conditions.
- 🟩 **Speed:** Save considerable time with quick & easy installation thanks to the Cobra Tee-Al clip

[Click here to see StructurAL installation video](#)

EASY INSTALLATION ON NIVO PEDESTALS

The height adjustable NIVO pedestals are available in various sizes and are purposefully designed to suit the StructurAL® joists to provide a level deck surface.



SIMPLY CLICK IN PLACE
TO CONNECT

Components of the StructurAL® System



1. Start/end clip

- Adjustable, to match the thickness of decking profile



2. Cobra Tee AL clip

- Nylon Construction
- Reinforced with 304SS
- Preloaded with 4 10SS Screw



3. Joist connector

- 35x18x175cm
- For linear joist connection



4. Aluminium joists

- 40x60mmx3m



5. Angle Bracket

- 35x50x50mm



6. Pedestal joist adapter



7. Adjustable Tile Pedestal



JOIST SPACING

Using your calculated Joist Span, see below Span Table for the maximum distance between Pedestals, for commercial & residential applications.

		JOIST SPACING					
JOIST	APPLICATION	300	350	400	450	500	550
60*40*2 ALI	RESIDENTIAL	750	750	700	700	700	650
	COMMERCIAL	375	375	350	350	350	325

FAQS

Q: Do you need to have a pedestal placed directly underneath when using a joist connector?

A: No, you don't need to have a pedestal directly underneath a join when using the joist connector, and as long as you're adhering to the maximum span table for the pedestals, it can hang in the space in-between unsupported & be structurally sound.

Q: How frequently do I need to install bridges between the joists?

A: There is no specific measurement. This is for the installer to decide what is required to hold the joists straight & true and thus create the desired square space for applying to the deck. We would suggest using one bridge every 3000mm.

Q: When fixing the aluminium joists cut down as bridges, how many angle brackets should I use?

A: You only require two angle brackets per bridge. We suggest off-setting them to fit one on each end, and one on each side of the bridge, to give symmetrical support.

Q: I have a fascia required on the vertical face of the sub-frame. How is this fixed on?

A: It depends on the height of your deck and the width of the fascia board. If just one 138mm wide board, then one Screw is enough to face fix directly onto the aluminium joist. If using two or more boards, then you will need to place vertical "tabs" at the appropriate length and spans, fixed with the angle brackets, to screw your fascia board into.

HAVE MORE TECHNICAL QUESTIONS?

[Click here to visit our FAQ page](#)

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