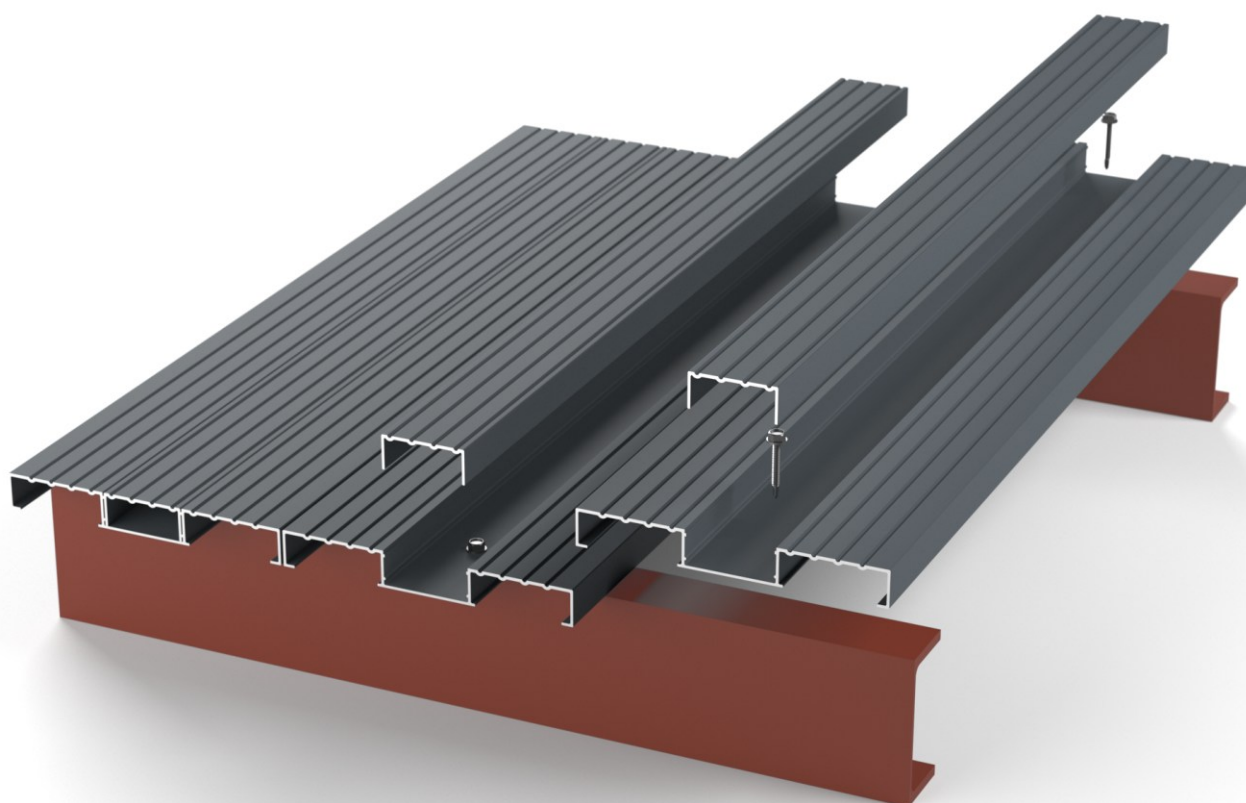


# BALCASMART ALUMINIUM DECKING SYSTEM

## INSTALL GUIDE



# EQUIPMENT

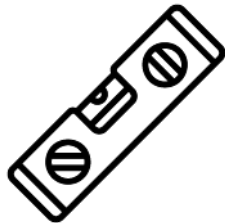
Mitre Saw



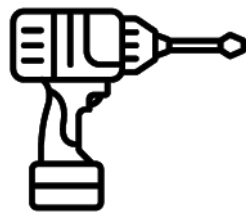
Tape Measure



Spirit Level



Cordless Screwdriver



Site PPE



# IMPORTANT NOTES

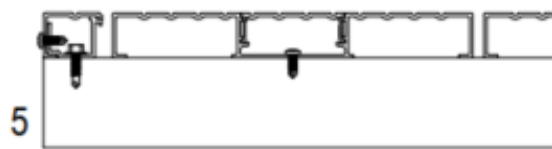
- Gaps between board ends are required to enable expansion and contraction – 4mm is adequate, but increasing this to match gaps between boards may be desired.
- NHBC schemes require a 10mm gap around perimeter edge of area for drainage.
- Use offcuts of material where possible, to minimise waste.
- Where deckboards are to be butted end-on-end, ensure the join is over a balcony steel supporting both boards.
- Always use correct PPE throughout installation.

## INSTALLATION GUIDANCE

- 1) Check clear span between supporting steelwork is within the max span capability of the board being installed. See product datasheet for board span information.
  - a) NB: If board is not supplied in cut-to-size, measure the board lengths required and cut to size before laying. Mill finished aluminium is suited to the external environment but touch up paint can be applied to cut ends if preferred.
- 2) Ensure the steelwork / substrate is at the required centres\* for the decking being installed: Lay your first board and fix through the base of the central channel into each steel, using a suitable tek screw\*\*.  
**Note: A separation layer is recommended to mitigate risk of bimetallic corrosion.**  
\*If gaps between steel sections exceeds stated board spans, additional load-bearing joists will be required to ensure adequate support. Joist hangers are available from Ryno, or steel purlins can be installed subject to load bearing capacity.  
\*\*An A4 grade stainless steel self-drilling screw should be selected to suit the thickness and grade of the steel being fixed into.
- 3) Place the clip-in channel into the gap, ensuring a secure snap fit is achieved along the full length of the board. Repeat step 2) and 3), leaving a 6-8mm gap for drainage between each board, until the last board.
- 4) Where the last board space matches the deckboard width, repeat steps 2) and 3). Remove any aluminium swarf from the finished surface. The balcony flooring is now complete.
- 5) Fitting the last board where the available space requires it to be cut down its width, using the appropriate EBS End Board Support profile (see product datasheet for compatible sizes). Where the space available for the last board is narrower than the supplied deckboard:
  - a) Measure the board width required and cut down to suit.
  - b) Measure the EBS and cut to length. Where these profiles are to be butted end-on-end, ensure the join is over a balcony steel supporting both profiles.
  - c) First, fix the EBS to the steel at the point furthest from the second last deckboard, centering the fixing using the guide 'v' groove on the base of the profile.
  - d) Install the last deckboard, ensuring the cut down surface is in contact with the upright support of the EBS profile.



- 6) Remove any aluminium swarf from the finished surface. Your BalcaSmart Aluminium Decking System is now complete.



**LET'S TALK**

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