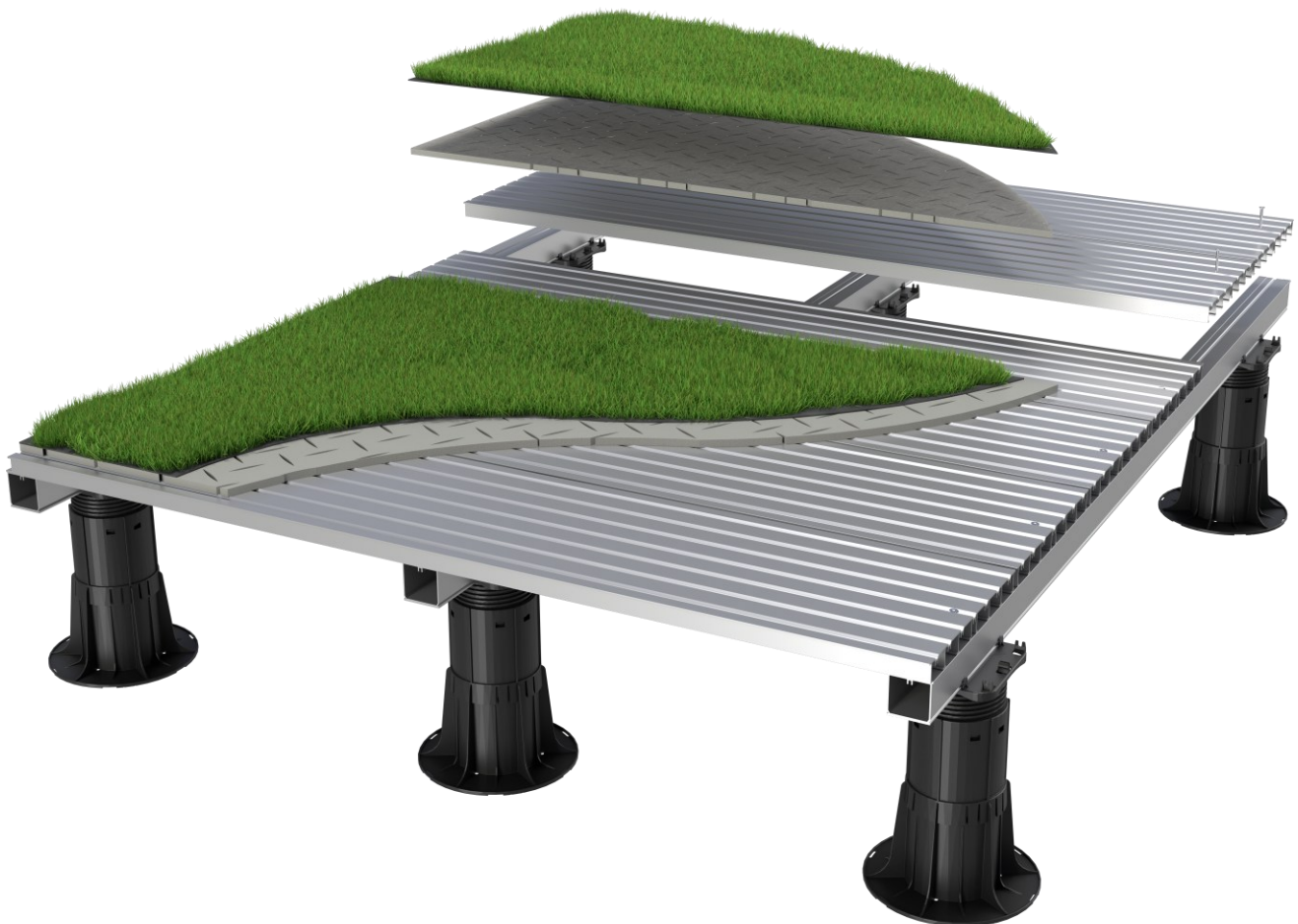


TERRASMART ARTIFICIAL GRASS SYSTEM

INSTALL GUIDE

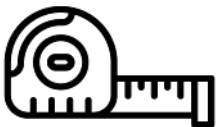


EQUIPMENT

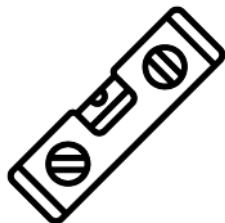
Mitre Saw



Tape Measure



Spirit Level



Angle Grinder



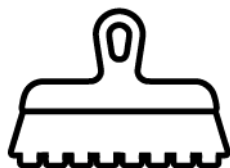
Cordless Drill



Utility Knife



Glue Spreader



Mixing Paddle



Site PPE



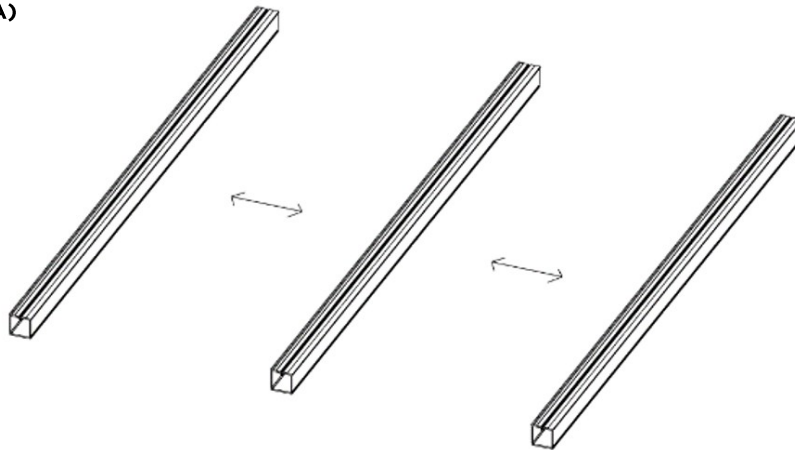
IMPORTANT NOTES

- Leave 3mm gap between ends of BaseBoard when butted end-on-end.
- Where joists are to be butted end-on-end, ensure there is a support under the join connecting the two joists.
- Some schemes require a 10mm gap around perimeter edge of area.
- Always use appropriate torque setting on cordless screwdriver for screws.
- Always use the correct PPE throughout installation.
- The **ES Artificial Grass Adhesive** is a strong adhesive – ensure correct PPE is worn when working with this product. Material Safety datasheet is available at www.rynosystems.com.
- Silica sand must be applied to the finished surface at a rate of 8-10kg/m² to achieve correct product specification and validate warranty.
- Jointing Tape is required to join Artificial Grass rolls where area size requires.
- Typical spacings shown within this guide are based on standard system design conditions. Project-specific loads, finishes, build-ups or design requirements may require alternative or reduced support spacings. Always refer to the project-specific design information where provided. Where requirements are unclear, contact the RYNO Technical Team before installation.

INSTALLATION GUIDANCE

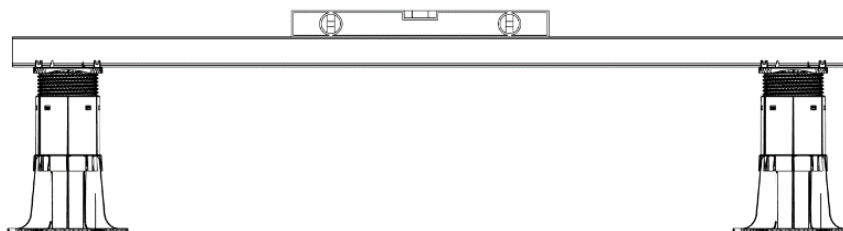
- 1) Lay the joists out on substrate at required centres (as per BaseBoard span, as stated on datasheet [600-700mm]). Fig A.

(A)



- 2) Lift joists onto pedestal supports at each end of joist and level up. Fig B.

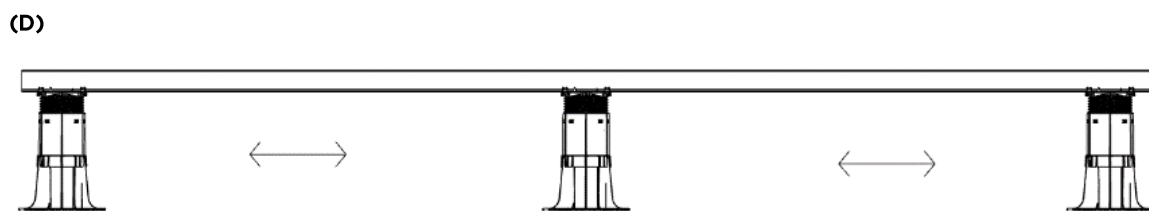
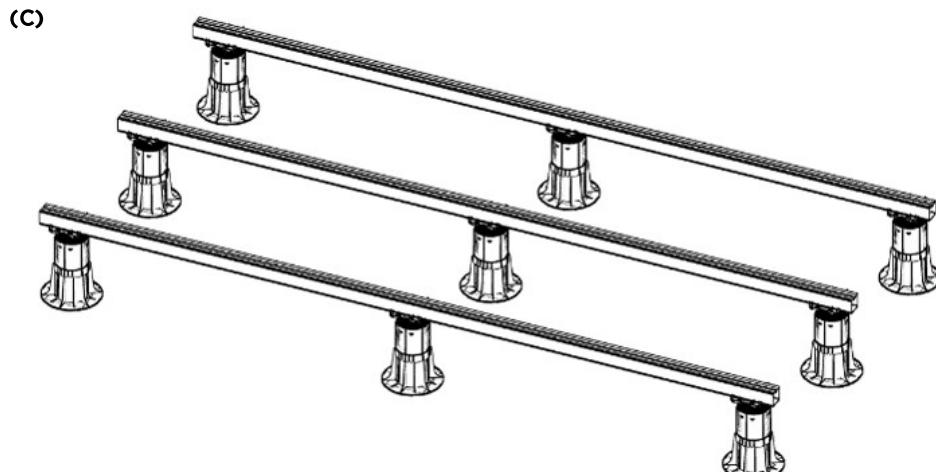
(B)



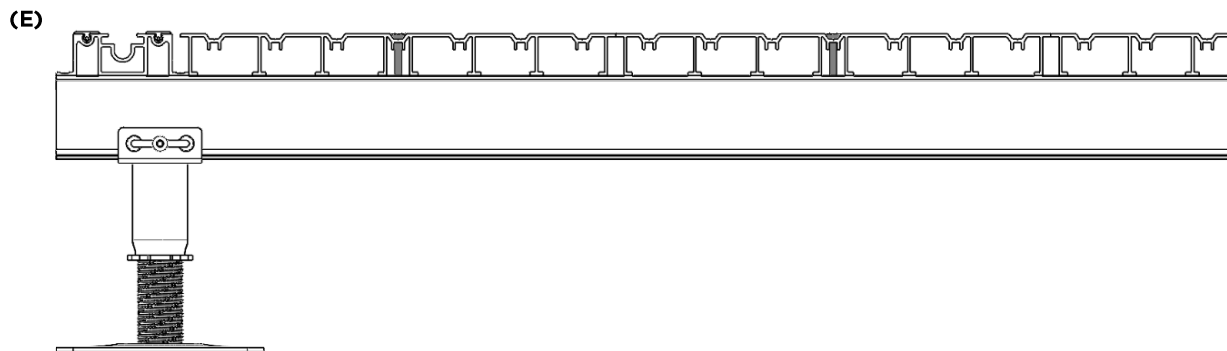
- 3) Level all joists to the same level.



- 4) Add intermediate supports at required centres along joists (as per joist span, see datasheet). Figs C & D.



- 5) Where joists are to be butted end-on-end, ensure there is a support under the join connecting the two joists.
- 6) Once all joists are level and fully supported, establish where the first BaseBoard will be laid.
- 7) Fasten down BaseBoards with **BBS BaseBoard Screws**, using the recesses on the surface to ensure screw heads sit flush with the surface, and not proud. Ensure at least 1 screw is fastened into each supporting joist. Leave a 5mm gap between each board to allow drainage. Fig E.

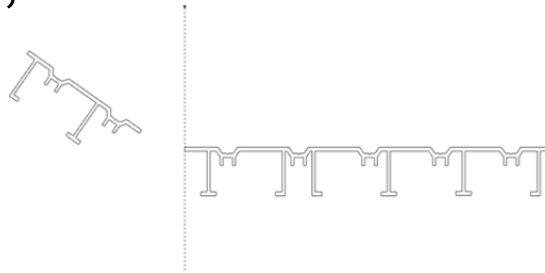


- 8) Repeat step 7) until last board.

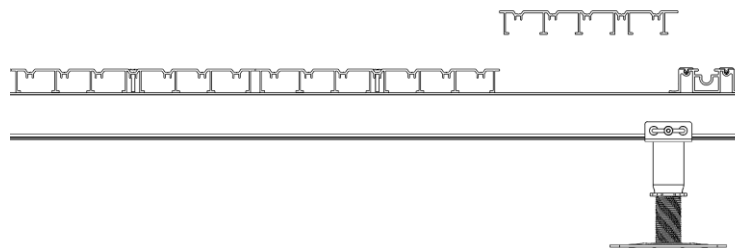
9) Installing the last BaseBoard:

- a) If last board fits perfectly and does not require ripping down length, simply fasten board as per step 7).
- b) If last board is wider than the space available, simply cut board down to required width before fastening down. Figs F & G.

(F)



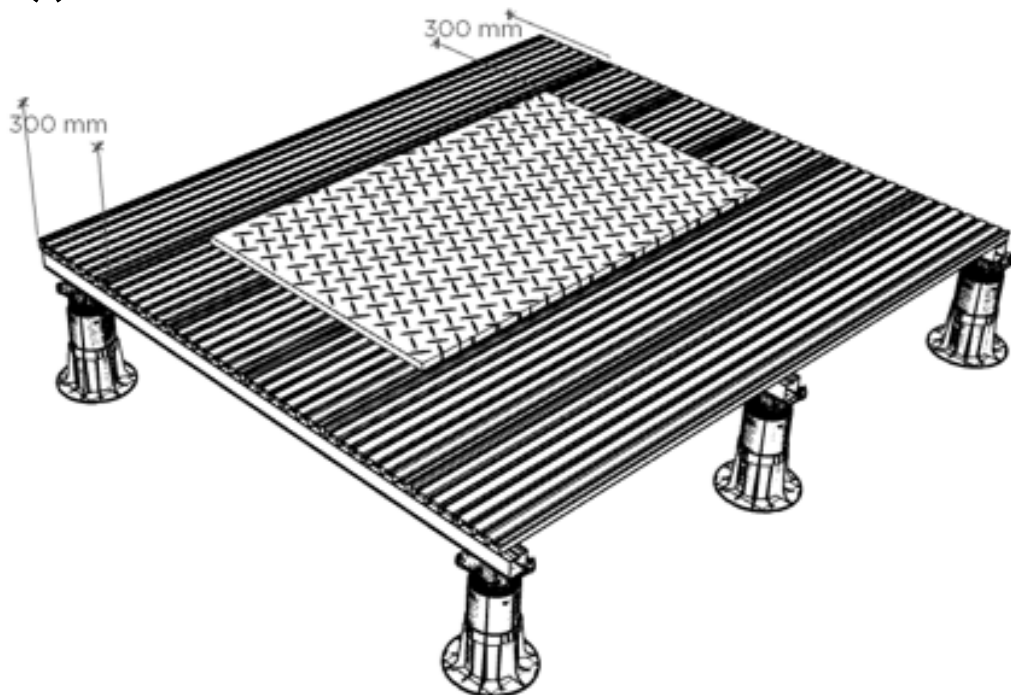
(G)



10) Once BaseBoard layer is complete, loose lay the **AG-SP Artificial Grass Base Shockpad**, trimming so there is a 200-300mm* strip of BaseBoard exposed at the edge of the area being laid, for adhesive (Step 11). Fig H.

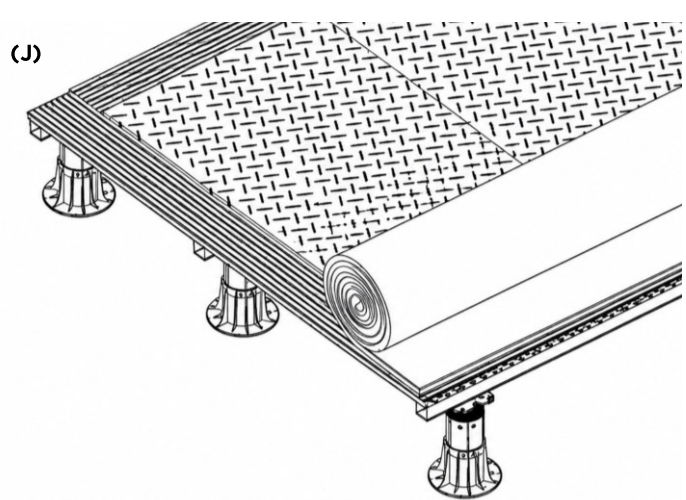
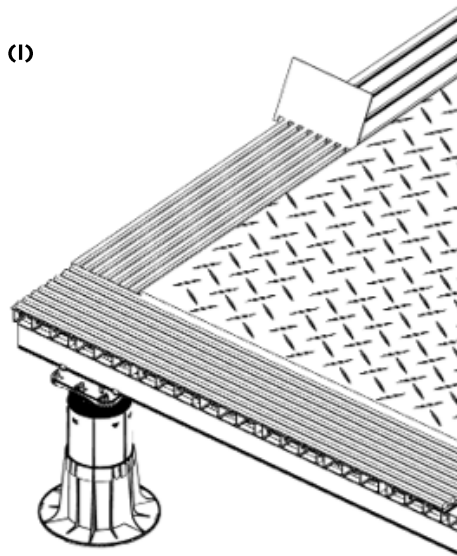
*200-300mm assumes a typical area of up to and around 50m², the adhered area may need to be larger for a larger surface area. Please ask our technical team for input if required.

(H)

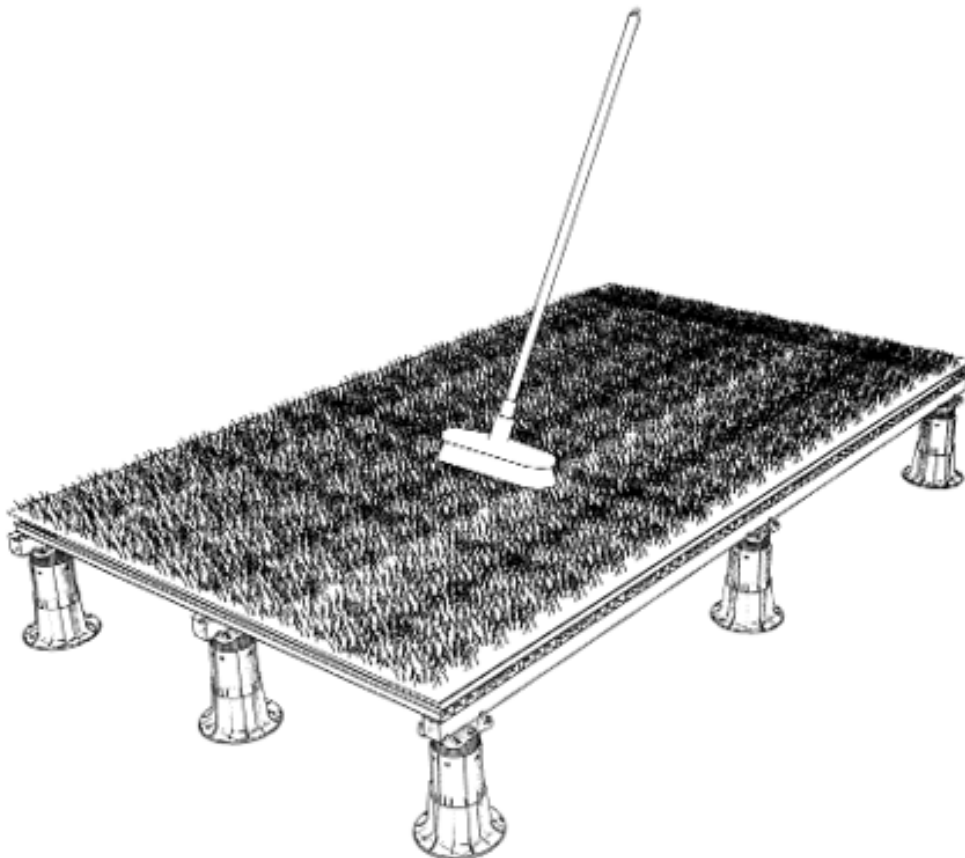


11) Apply **ES Artificial Grass Adhesive** to the perimeter strip of BaseBoard, starting on one side, adhering the Artificial Grass before rolling it out over the whole area. **Figs I & J.**

- a) **Mixing the adhesive:** Mix thoroughly using a mechanical stirrer with the Hardener Additive at a weight ratio of 10:1.4 by first adding the complete bottle of hardener component to the adhesive component in the plastic tub.
- b) **Joining the Artificial Grass rolls:** Use **AG-JT Artificial Grass Jointing Tape** to connect individual rolls of Artificial Grass. Lay this on the substructure up to, but not over, the Adhesive at the edge. Apply Adhesive to the fleeced top surface and apply the edge of the Artificial Grass roll to the Adhesive. A minimum of 120mm of each Artificial Grass edge should be bonded into the adhesive layer.



12) Apply silica sand and brush into grass at a rate of 8-10kg/m². **Do not skip this step; this is critical to meet the B_{ROOF(t4)} fire rating.** Once applied, the TerraSmart Artificial Grass System is now complete.



LET'S TALK

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