

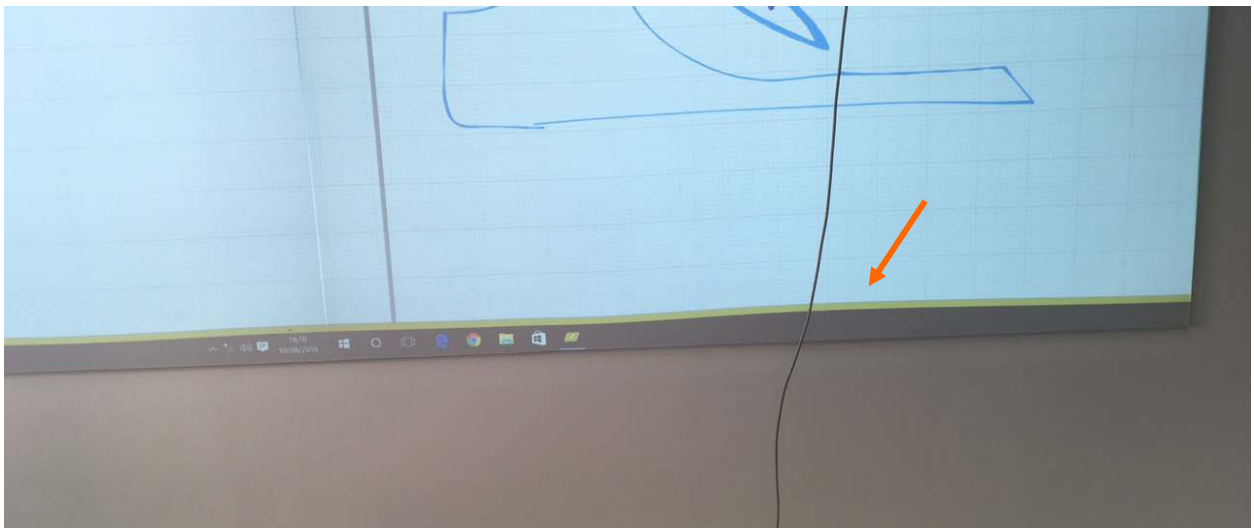
we-inspire board installation guide

Introduction

When screwing boards directly on a wall, the boards will follow any curvature of the wall.



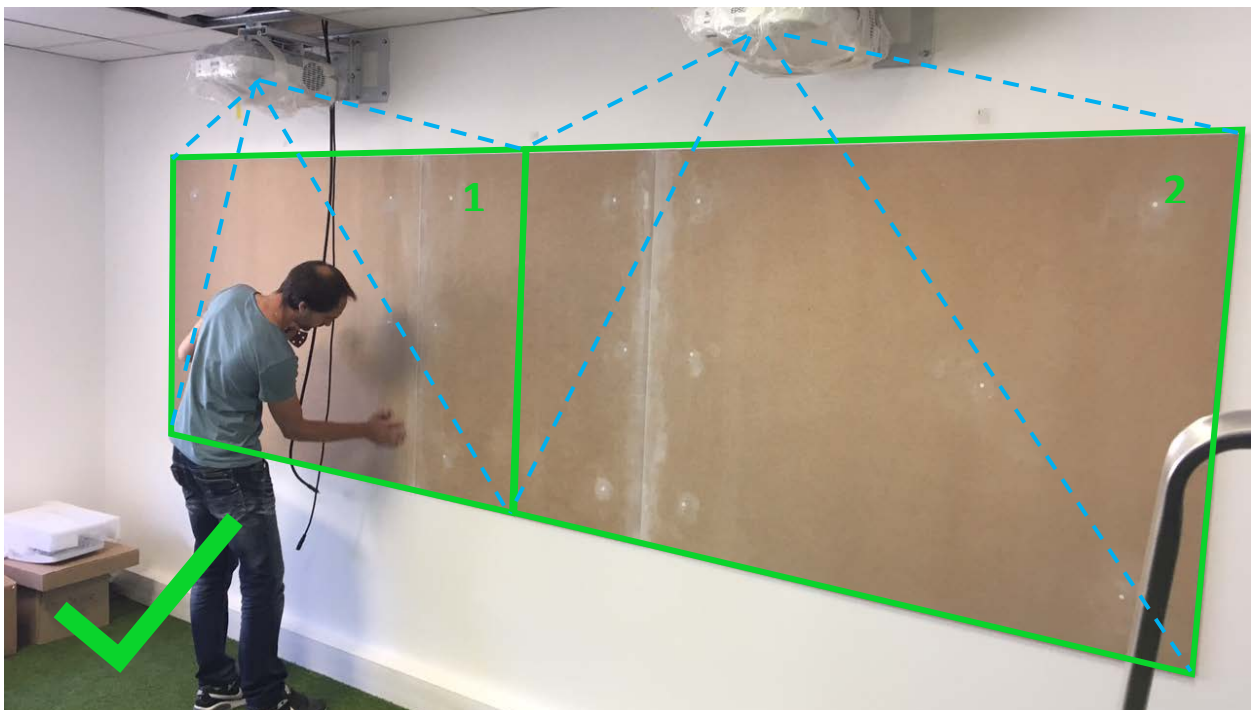
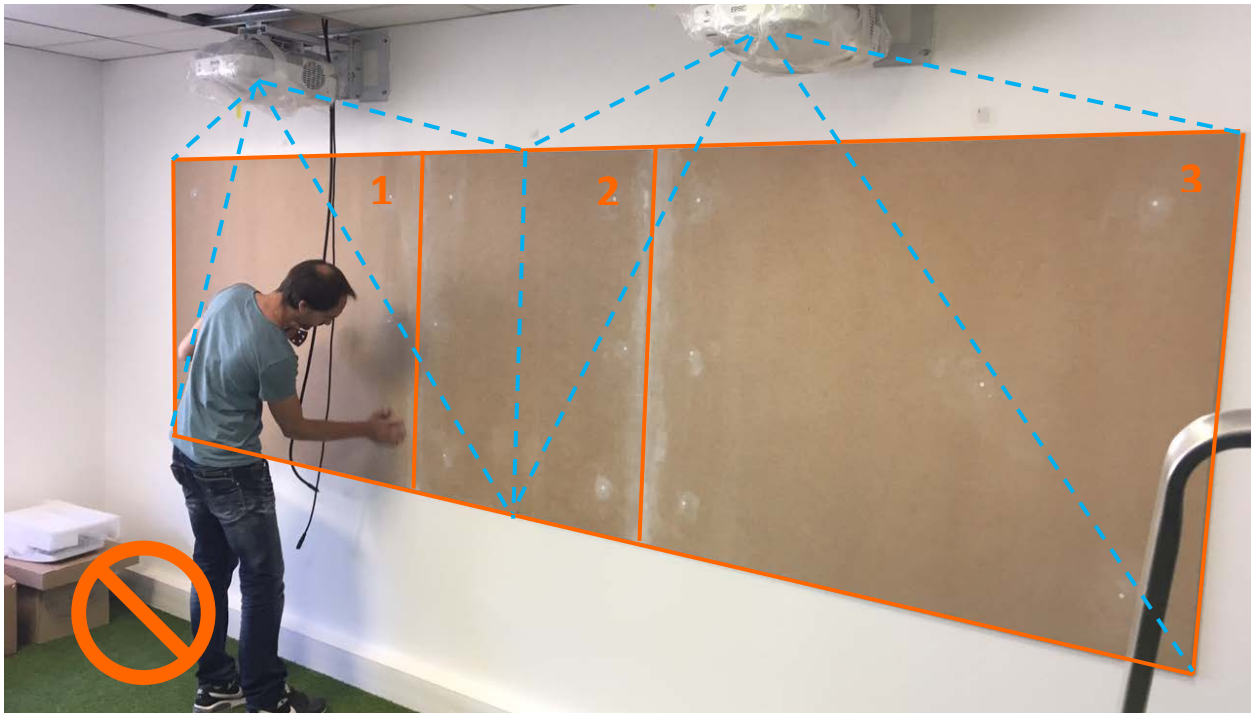
This will result in a warped projector image, especially in the lower part of the image.



Depending on the wall and the force used to screw the boards - this can happen for all types of boards (wooden, aluminum, high pressure laminate) and thicknesses. Some general tips are

- Use stiff materials (e.g. thicker boards, stiffer materials like high pressure laminate (HPL))
- Use as few boards as possible (top example -> use only one or two boards instead of three)

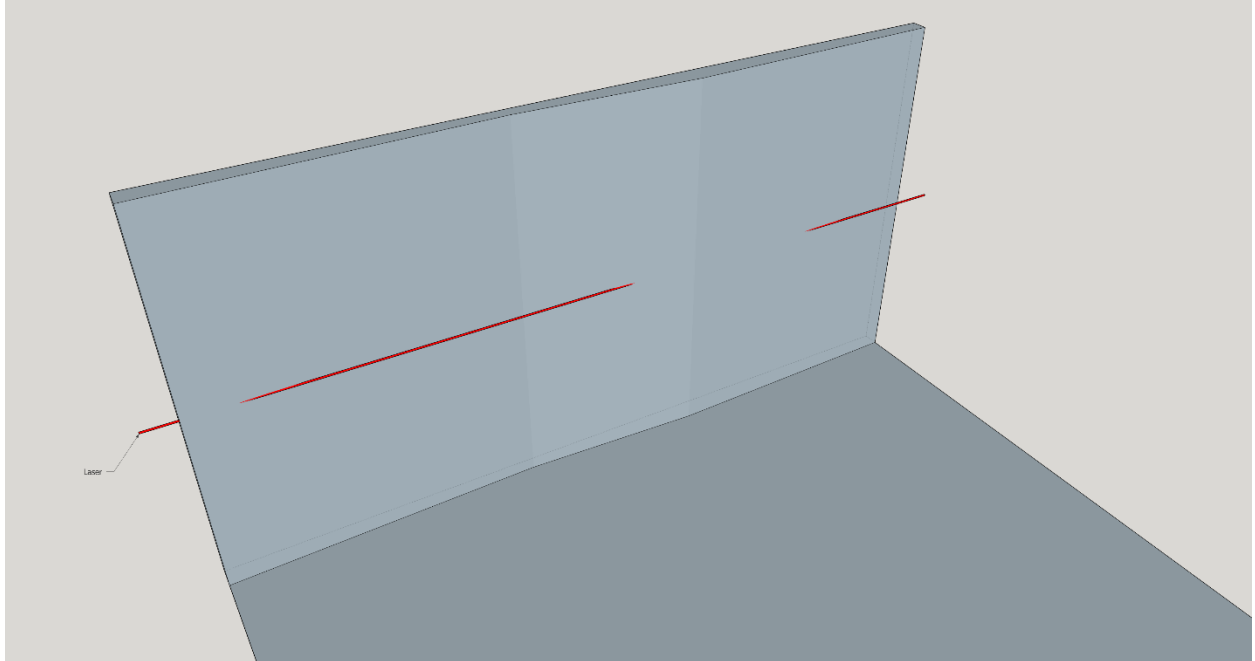
- When using several boards, align board and projector borders. Avoid borders in the middle of projection areas.



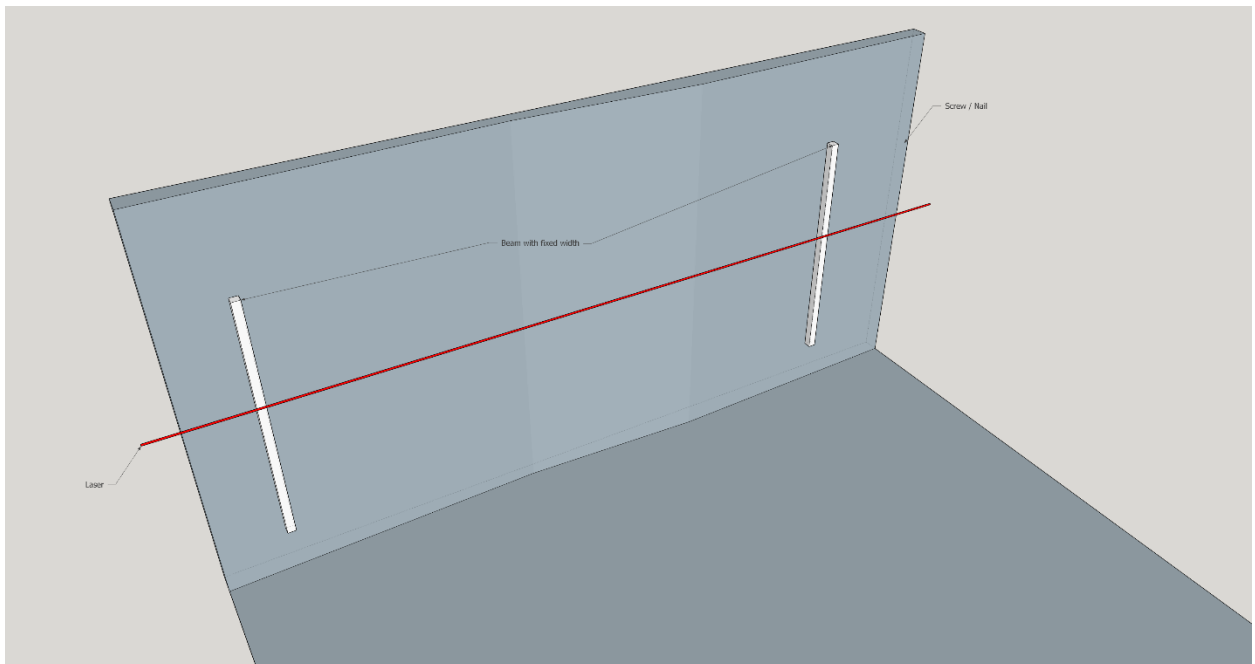
Underconstruction

If necessary, it is recommended to build some underconstruction behind the boards to compensate for uneven walls.

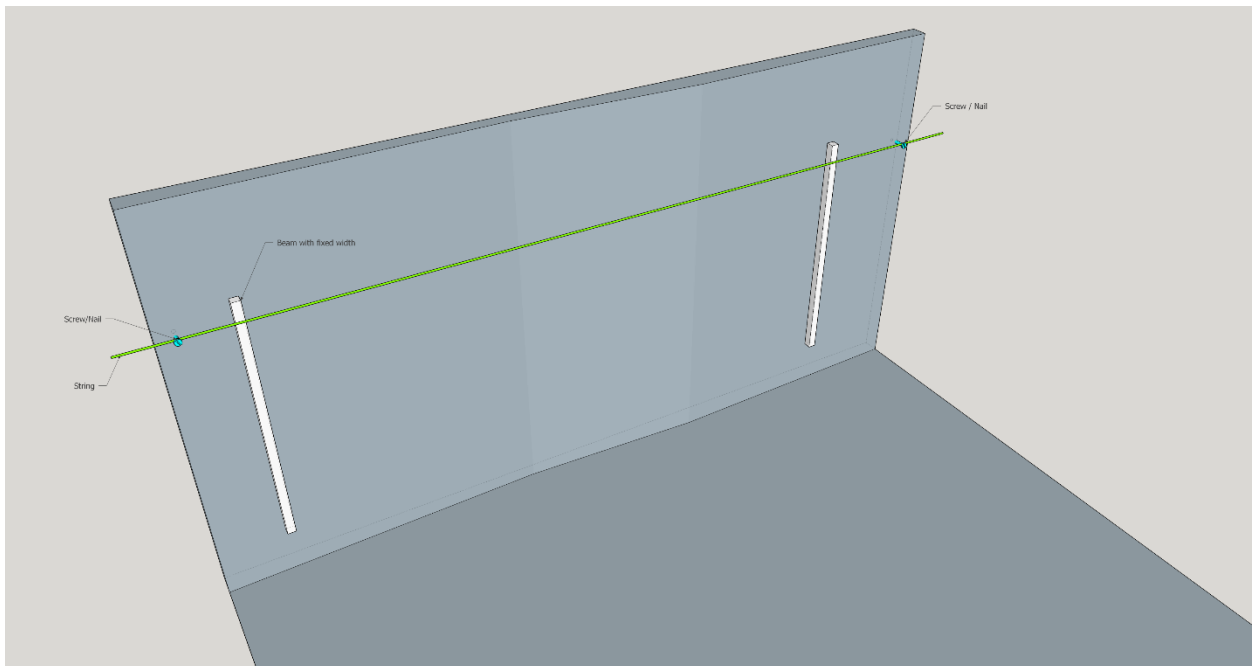
First check how uneven the wall is (e.g. with a laser) to figure out how much needs to be compensated



Select supporting beams with the right thickness and screw them on the wall. Make sure they are in level vertically (use level). You can again check with the Laser that the beams are thick enough.

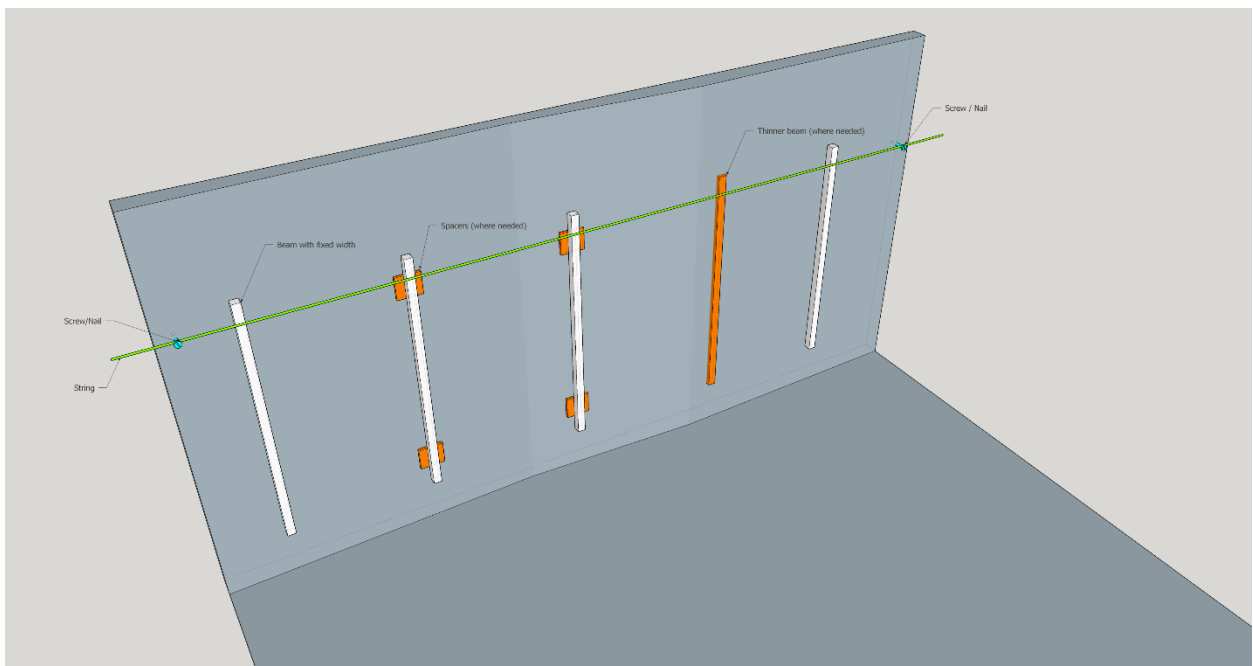


Next stretch one (or several) string(s) between the 2 support beams

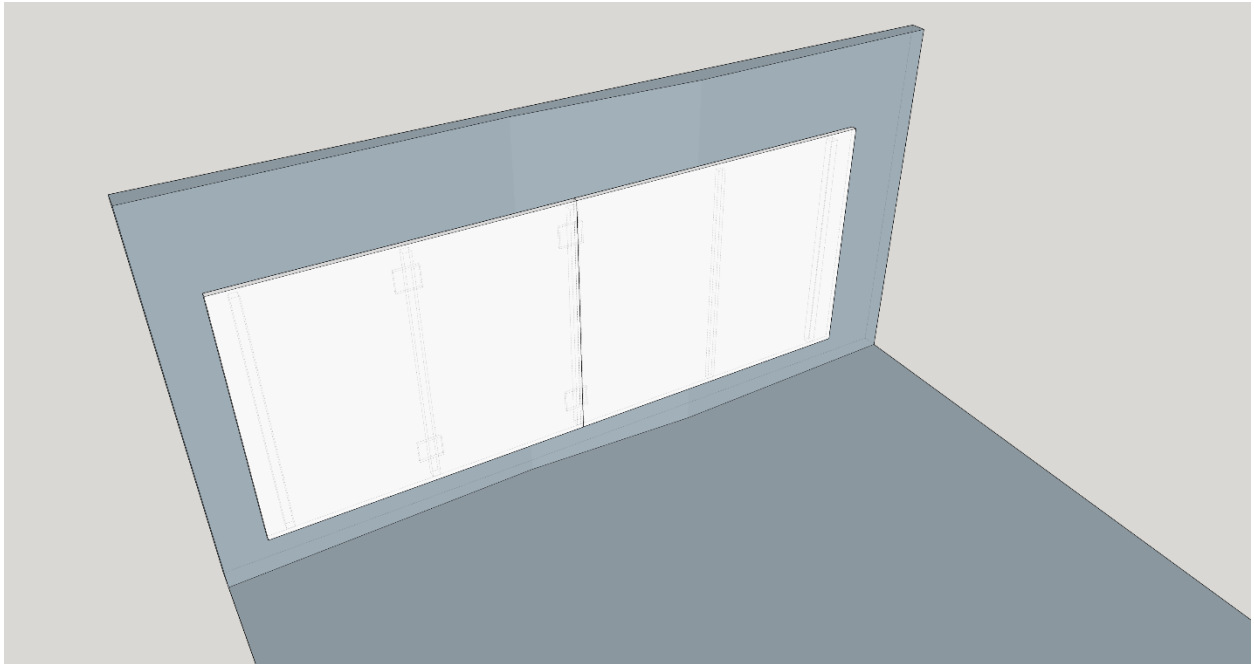


Place additional beams where needed and make sure they touch the string but don't stick out too far. Use additional spacers (thin wooden sheets / cardboard) behind the beams where necessary. Alternatively use thinner beams when necessary.

Important -> Also make sure beams are in level vertically!



Now mount the boards directly on the beams: Make sure the boards is not flexing a lot when pressing against it – add additional beams if necessary (depends on stiffness of board).



Board seams have to line up and any gaps have to be filled and sanded

