



Uncoated Plywood Panels for ceilings

Purpose For the bonding of “Uncoated Plywood Panels” to *interior ceiling structures*. This specification is designed for the securing of the Plytech product without the need for mechanical fastenings.

Note: Additional support will be required for each panel during the curing process.

Ceiling types covered

1. Timber Battened
2. Steel Battened

Note: *Previously lined ceilings will require;*

- a) The existing ceiling to be completely battened as per the directions outlined below (as you need to ensure that it can support the increased weight of the panels), or
- b) Previous lining is removed and battened as outlined above.



Option 1. Timber Battened Ceilings

Products Required

- [Gorilla Fix All High Tack](#) 290ml Cartridge (any colour) # 20303
- [Holdfast Gator VHB Double Sided Foam Tape](#) 12mm x 2mm x 30m #56665
- [Gorilla Primer 150](#) (for ALL timber battens)
- [Gorilla Solvent Cleaner](#) #37013
- Clean Cloths for application of Gorilla Solvent Cleaner.
- [Mr Gorilla Wipes](#) # 46005
- You will need props to support the panels once positioned while the curing process is taking place.

Installation Procedure

Step 1

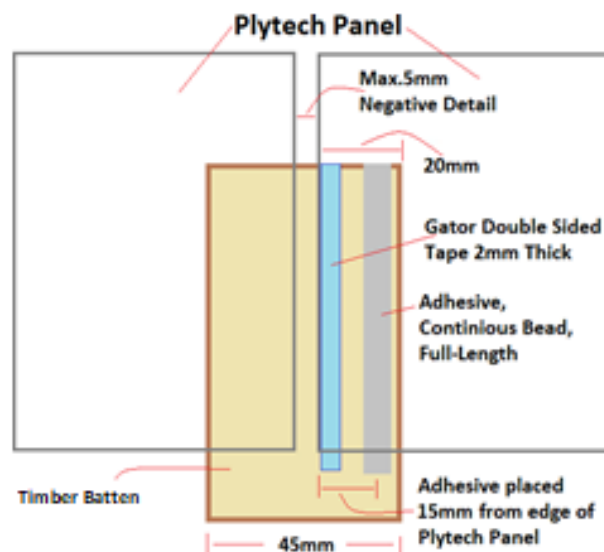
Ensure that you read the Product Technical Documents before you begin. If at that point you have questions, please contact your local Soudal Territory Manager.

Step 2

Ensure that the ceilings that you are working with are straight and flat, use a straight edge for this. Where this is not so, there may be additional stresses on the bonded joints once applied.

Placement for walls:

1. All Battens - No greater than 400mm apart, 45mm wide
2. Negative detail 5mm or less – Follow attached line drawing
3. Timber Battens: - if creating a “negative detail greater than 5mm”, you need to double batten along all edges that will have the “negative detail” (as you will not have sufficient space for both the adhesive and tape).



Step 3

Ensure that ALL timber battens have been coated with the Gorilla Primer 150 (as this promotes superior adhesion). Ensure that you follow the application instructions.

Ensure that the “non-visual side” of the “**Plytech Plywood**” has had a full coating of an enamel sealer coat to improve the adhesion of the Gorilla Fix All High Tack. If this coating was completed, and dust/debris has settled, this needs to be wiped with Gorilla Solvent Cleaner prior to fixing in position. Allow the Gorilla Solvent Cleaner 5-10 min before fixing in position.

Step 4

Position the tape, full length onto the battens to one side. This allows room for application of the adhesive (Gorilla Fix All High Tack) so that when compressed does not flow over the tape, reducing the potential initial hold of the tape (Gator VHB 2mm Double Sided Foam Tape).

Step 5

Position 7-8mm continuous beads of adhesive the full length approx. 20-25mm from the applied tape. When the 7-8mm bead of adhesive is compressed to 2mm thick, it is now approx. 15mm wide.

Step 6

Have ceiling panel support props ready to be positioned once panel is in place.

Set & press the plywood panel back into position against the ceiling. Ensure the panel is set back to the ceiling, (*the Double-Sided Tape provides the initial bond while the Gorilla Fix All High Tack provides the secondary bond*). As the adhesive cures the primary bond is taken by Gorilla Fix All High Tack.

Note: As environmental conditions cool, curing times extend for adhesives & sealants.

Step 7

Position ceiling support props while the adhesive cure is taking place.

- *Lower temperatures will dramatically increase the time required for the adhesive to cure.*

Step 8

You want to avoid on getting the adhesive (Gorilla Fix All High Tack) on the edges of the Interior Lining (as the grain finish will make it difficult to remove all residual traces of the adhesive from the edge).

The following points should be noted:

- *Lower temperatures will dramatically increase the time required for the adhesive to cure.*
For further guidance on this please contact Soudal Technical.
- Preparation is critical to success

If you have any further questions, please do not hesitate to contact Soudal Ltd: Ph: 08008327732

Option 2. Steel Framed Ceilings

Products Required

- [Gorilla Fix All High Tack](#) 290ml Cartridge (any colour) # 20303
- [Holdfast Gator VHB Double Sided Foam Tape](#) 12mm x **2mm** x 30m #56665
- [Gorilla Primer 150](#) (for any supplementary timber battens required)
- [Gorilla 696 Surface Activator](#) #19389 (for ALL steel battens)
- [Gorilla Solvent Cleaner](#) #37013
- Clean Cloths for application of Gorilla Solvent Cleaner.
- [Mr Gorilla Wipes](#) # 46005
- You will need props to support the panels once positioned while the curing process is taking place.

Installation Procedure

Step 1

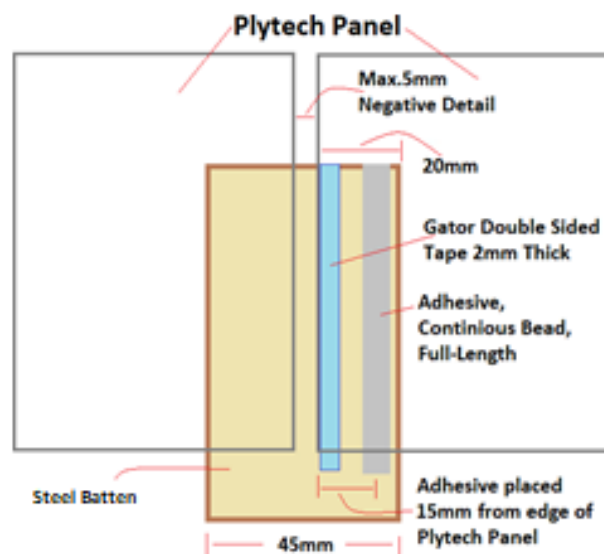
Ensure that you read the Product Technical Documents before you begin. If at that point you have questions, please contact your local Soudal Territory Manager.

Step 2

Ensure that the ceilings that you are working with are straight and flat, use a straight edge for this. Where this is not so, there may be additional stresses on the bonded joints once applied.

Placement for walls:

4. All Battens - No greater than 400mm apart, 45mm wide
5. Negative detail 5mm or less – Follow attached line drawing
6. Steel Battens: - if creating a “negative detail greater than 5mm”, you need to double batten along all edges that will have the “negative detail” (as you will not have sufficient space for both the adhesive and tape).



Step 3

Ensure that ALL steel battens have been wiped down with the Gorilla 696 Surface Activator (as this promotes superior adhesion). Ensure that you follow the application instructions.

Where double battens have been used, and these are of timber, then ensure that ALL timber battens have been coated with the Gorilla Primer 150 (as this promotes superior adhesion).

Ensure that the “non-visual side” of the “**Plytech Plywood**” has had a full coating of an enamel sealer coat to improve the adhesion of the Gorilla Fix All High Tack. If this coating was completed, and dust/debris has settled, this needs to be wiped with Gorilla Solvent Cleaner prior to fixing in position. Allow the Gorilla Solvent Cleaner 5-10 min before fixing in position.

Step 4

Position the tape, full length onto the battens to one side. This allows room for application of the adhesive (Gorilla Fix All High Tack) so that when compressed does not flow over the tape, reducing the potential initial hold of the tape (Gator VHB 2mm Double Sided Foam Tape).

Step 5

Position 7-8mm continuous beads of adhesive the full length approx. 20-25mm from the applied tape. When the 7-8mm bead of adhesive is compressed to 2mm thick, it is now approx. 15mm wide.

Step 6

Have ceiling panel support props ready to be positioned once panel is in place. Set & press the plywood panel back into position against the ceiling. Ensure the panel is set back to the ceiling, (*the Double-Sided Tape provides the initial bond while the Gorilla Fix All High Tack provides the secondary bond*). As the adhesive cures the primary bond is taken by Gorilla Fix All High Tack.

Note: As environmental conditions cool, curing times extend for adhesives & sealants.

Step 7

Position ceiling support props while the adhesive cure is taking place.

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You want to avoid on getting the adhesive (Gorilla Fix All High Tack) on the edges of the Interior Lining (as the grain finish will make it difficult to remove all residual traces of the adhesive from the edge).

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