Adhesive fixing for mechanical fixing of plywood panels

Plymasters

Scenario – Wall Linings

Purpose

For the bonding of "**Plymaster Un-Coated**" Linings & "**Plymaster Pre-Finished**" Linings for an interior application. This specification is designed for the securing of the Plymaster product with mechanical fastenings with additional adhesive support.

Products Required

Plymaster Un-Coated Plywood
- Gorilla Grip 2 Hour Adhesive #19290, or
- Gorilla Grip 1 Hour Adhesive #20075, or
- Gorilla Grab Construction Adhesive # 20274
- *The above is for timber framing only. For steel framing use Gorilla Grab, Soudaseal 240FC or Fix All High Tack.*

Plymaster Pre-Finished Plywood
- Soudaseal 240FC 600ml Sausage #20098 or
- Fix All High Tack 290ml Cartridges #20303

Procedure

Step 1 Ensure you read the Product Technical Documents before you begin. If at this point you have any questions, please contact your local Soudal Territory Manager.

Step 2 Ensure that the walls 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.

Batten placement for walls:

1. All Frame/Battens - No greater than 600mm apart, 45mm wide
a. *For Pre-lined walls we recommend that you work on the base of 450mm between beads of adhesive.*
2. Negative detail 5mm or less – Follow line drawing
   Timber & Steel Battens/Framing: - 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 or tape.

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Step 3 Ensure that the "non-visual side" of the "**Plymasters Plywood Un-Coated**" is wiped with a damp cloth to aid the curing and adhesion of the Gorilla Grip Adhesives. A damp cloth is not required for the Gorilla Grab Adhesive.

"Steel Framing" If you are mechanically fixing to this, then use the Gorilla Grab Adhesive.

Step 4 Set H-Packers (or an aluminum support angle) along the floor to set your predetermined height for the panel from the floor base.

Step 5 Set and press the un-coated plywood panel into position back against the wall. Mechanically fasten into place.
Note: As environmental conditions cool, then the curing times of the adhesives are slower.

Step 6 You need to avoid getting the adhesive (Gorilla Grab or Gorilla Grip) on to the visual surface.

The following points should be noted:
- Lower temperatures will dramatically increase the time for the adhesive to fully cure.
- Preparation is critical to success.

If you have any further questions do not hesitate to contact Soudal NZ Ph:0800701080

Plymasters Plywood Panel

Possible negative detail.

Adhesive - 10mm blobs 300mm centres up every stud

Mechanical Fasteners, 15mm from edge of plywood sheet, 300mm apart.

Timber Framing
Steel Framing

45mm

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