Off site *in situ* laminate test coupon preparation

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Equipment required:
- Flat, smooth plate to make specimen on at least 350mm x 350mm in size
- Release film (Preferred) / Release agent
- Spatula / small trowel
- Scissors / sharp knife
- Roller

**Procedure for preparing samples for *in situ* laminate testing:**

1. Ensure all equipment is clean and free from contamination
2. Place release film on lay-up plate covering an area of approximately 350mm by 350mm
3. Cut fibre fabric to the required size (at least 300mm x 300mm) with scissors or a sharp knife
4. **IMPORTANT:** Regardless of the amount of layers used on site the thickness of the final laminate must be between 1-2mm and a minimum of 3 dry fabric layers must be used.
5. Mix resin as specified by the manufacturer
6. Apply first layer of resin to the lay-up plate with small trowel
7. Lay first layer of the dry fibre fabric on top of the resin and carefully roll
8. Apply another layer of resin followed by the next layer of fibre fabric
9. **IMPORTANT:** Check the direction of the dry fibre fabric. For strengthening purposes it is common that all fibres are aligned (unidirectional), but this must be checked with the specification
10. Carefully roll the laminate again to consolidate layers and expel air
11. Repeat this process until a laminate of the desired thickness (1-2mm) is obtained
12. Place the test laminate next to the actual job and allow the resin to cure on site
13. Record date, time, temperature, humidity and adhesive batch numbers on the corresponding specimen information sheet.

**IMPORTANT:**
- It is essential that the plate used to lay-up specimens is flat to avoid poor results
- Never fold the dry fibre fabric and always discard any damaged fabric
- Ensure that the dry fibre fabric stays clean to avoid contamination of the laminate
- Good consolidation of the composite layers will improve performance

**Note:**
This sheet is for guidance only. Please also refer to adhesive manufacturer’s data and safety sheets.