

FREQUENTLY ASKED QUESTIONS

Once correctly installed, the FLEXI-GRP system will remain watertight and look great for many years. The following Q&A's look to answer some of common questions and highlight potential installation pitfalls to avoid.

1. Does the weather/temperature affect FLEXI-GRP when installing?

- Yes, high temperature and adverse weather are main reasons that GRP roof installations can fail, so follow these steps to avoid problems.
- Always check local weather forecast.
- In the summer avoid using product above 35°C and in winter below 5°C check the temperature of the deck and materials with an infrared thermometer if unsure.
- Keep materials at an ambient temperature and avoid either leaving outside in cold/sun before commencing work (ideally around 15°C for best performance).
- In either winter or summer avoid mixing large amounts of FLEXI-GRP or FLEXI-GRP Primer in one go, ideally 5-10kg max. This will give you the time to work with product and avoid having to rush the finish and waste materials.
- Always avoid the boards from getting wet, NEVER lay onto wet/damp boards, if it rains whilst installing always cover.
- Don't apply the FLEXI-GRP or FLEXI-GRP Primer at the height of a hot day in direct sunlight and avoid applying in winter after 3pm as it will take longer to cure as temperatures drop and potentially remain tacky.

2. The FLEXI-GRP looks milky white

- This is caused by water and has affected the product hardening properly, cut away the affected area and sand edges, wipe with acetone and overlay with FLEXI-GRP and the Chopped Strand Mat with an overlap of around 75mm onto unaffected area.

3. The FLEXI-GRP is staying tacky and not going hard or I have streaks of soft FLEXI-GRP?

- It is essential you always add Catalyst to every mix, get into a routine of double checking that you've added the catalyst and mixed it thoroughly, most issues are due to the incorrect % addition or forgetting to add it before applying. Never confuse Acetone cleaner for catalyst.

4. The resin/primer has gelled or hardened in the bucket before I could use it?

- This is a common problem if either adding too much catalyst or not changing it to suit the temperature or you have mixed too much in one go, the more you mix the hotter it gets if left in the bucket. Never mix a full keg.

5. There are white fibres of the chopped strand mat showing?

- This is due to not applying the correct amount of resin and 'wetting' out of the CSM, always ensure that all fibres are well coated with resin and consolidated with the paddle or fin roller before laying the next row.

6. There are windows, vehicles or vegetation close to the roof, what should I do?

- Try to cover any area that may be affected by spills, splashes or drips with polythene sheeting or similar, when using the paddle/fin roller vigorously this can lead to resin spray that can go beyond the perimeter of the roof. Work the roller steadily and systematically to avoid this and if you do get liquid resin on surfaces it can be wiped clean with a clean cloth with a small amount of acetone on. Hardened resin/topcoat will bond to a lot of surfaces and will require mechanical removal, so this is best avoided.

7. The customer is complaining of a cracking noises or sharp/sudden bangs

- Due to the nature of GRP it will expand/contract with the hot and cold weather as well as the OSB 3 boards and as such if the OSB 3 hasn't been fitted with the correct expansion gaps or boards butted up or no expansion joint above 50m² this will give rise to these noises. Whilst this may not lead to the roof failing it can often be the source of ongoing complaints from the customer.

8. There is standing water/ponding on the roof?

- The roof has either not been fitted with adequate fall to allow for drainage or the boards have been laid incorrectly, ponding doesn't affect the performance of the roof but can be unsightly and should be avoided.