

Unless the architect selected and approved specification states otherwise, the minimum requirements for Ark Profiles Ltd standing seam roofing are as follows. This is particularly relevant if a guarantee is required:-

1. All materials must be supplied by Ark Profiles Ltd or if sourced elsewhere, authorised by them in writing.
2. Ark Profiles Ltd product installation guidance and detailing must be followed.
3. All external screw fasteners must be grade 304 or better stainless steel with sealed washers.
4. Washer diameters are 15mm or 16mm for walls/ liner profiles, 19mm diameter for pierce fix roofs, 29mm or 32mm diameter and poppy red for GRP rooflights.
5. Fasteners passing through or securing aluminium must be stainless steel.
6. Liner and spacer bracket fasteners must be 5.5mm dia or greater, grade 304 or better stainless steel and have 15mm/16mm diameter sealed washers. The use of carbon steel fasteners must be approved by Ark Profiles Ltd in writing.
7. Spacer bracket fasteners must be appropriate for the material and thickness being fastened to (purlin, sheeting rail or other)
8. Sealants must be grade A or low modulus.
9. Swarf must be collected and removed.
10. Dissimilar metals must be isolated by means of a barrier tape (ie between galv steel and aluminium)
11. Mineral wool quilt insulation must fill the insulation cavity and be under minimum 10% compression (ie use 200mm insulation to fill a 180mm insulation cavity).
12. Insulation must be continuous at ridges, dry and untrampled at the time of closing in and have minimal gaps at spacers/ ridge/ verge etc.

13. The liner (or vcl membrane) must have sealed side and end laps.
14. The liner (or vcl membrane) must be robustly sealed to penetrations (including svp), eaves/ridge/verges
15. Liner/deck fillers must be bedded in sealant top and bottom.
16. Valley or boundary wall gutters (ie internal) must be membrane lined with welded membrane joints, or aluminium with welded joints (and thermal movement allowance).
17. Pipe penetrations must have welded soakers (aluminium roofs) or in-situ GRP (steel roofs). DeckTite soakers will not be covered by an Ark Profiles Ltd warranty.
18. Aluminium and GRP flashings and fabrications must have allowance for thermal movement at fasteners and joints.