

Scope

These instructions apply to slated and tiled roofs which are not boarded with sawn softwood planks or continuous OSB, plywood, chipboard or similar. For use in other constructions or with alternative roof coverings (e.g. metal sheet) contact Technical Solutions (Tel. 08708 702595).

General

Veltitech 180 is designed to be used in cold roof constructions. When used in warm roof constructions where the insulation is situated at rafter level, special care must be taken with regard to roof ventilation details. For advice contact Technical Solutions (Tel. 08708 702595). The outer roof covering should be applied as soon as the installation of the underlay is complete. Any rips or tears in the underlay should be repaired using a proprietary tape. Veltitech is UV stable for up to four months. At the eaves avoid carrying Veltitech into the gutter by fitting Redland Underlay Support Trays.

Storage

Veltitech 180 must be stored flat or upright on a clean, level surface, under cover and out of direct sunlight.

Insulation at ceiling joist level (Cold roof)

Veltitech 180 must be laid with a minimum drape between rafters of 10 mm. When fitted in a roof with insulation at ceiling joist level the roof void below the Veltitech must be positively ventilated to a capacity of 10,000mm²/m at low level and 5,000mm²/m at high level.

(Note: For roof pitches of 35 degrees or lower, or roof spans of 10 m or less the high level ventilation can be omitted so long as the roof is not a lean-to/monopitch roof and that 10,000 mm²/m ventilation is installed at low level. For roof pitches less than 15 degrees the low level ventilation gaps must be increased from 10,000mm²/m to 25,000mm²/m).

Headlap and Sidelap

The headlap of the Veltitech 180 should be in accordance with the following table taken from BS 5534, Code of practice for slating and tiling.

Sidelaps must be a minimum of 100 mm and should coincide with a rafter/counterbatten line in order to secure the roll ends. Avoid laps above the same support in consecutive layers.

Minimum headlap at given rafter pitch

| Rafter pitch degrees | Not fully supported mm | Fully supported mm |
|----------------------|------------------------|--------------------|
| 12.5 – 14.5 | 225 | 150 |
| 15 – 34.5 | 150 | 100 |
| 35 and above | 100 | 75 |

Veltitech 180 is covered by the Redland 15 year Roofing System Guarantee.

