INSTALLATION GUIDE

TILEFORM STEEL ROOF SHEET

Applies to Briarwood TileForm tile-effect steel roof sheet, profile Pantile 23/1125 M350, roof only

How to lay Briarwood TileForm steel roof sheets: the order of laying, the laps, the fixings and the edges. TileForm is for roofs only.

1. Before you lay

TileForm is a tile-effect steel roof sheet, 0.6 mm thick with a Matt Surface Texture. Each sheet is 1200 mm wide and covers 1125 mm, with a tile every 350 mm up the slope. It goes on roofs only.

- Minimum roof pitch is 12 degrees. Do not lay TileForm on a roof shallower than that.
- Set the purlins at 700 mm centres, one under every second tile (two 350 mm tile modules).
- Sheets are no longer than 6 m.
- When you measure the roof, allow an extra 600 mm of width.

> **PURLINS FOLLOW THE TILES**
> Every fixing and every end lap needs a purlin under it. Check that the purlins are at 700 mm centres, every second tile, before the first sheet goes on.

2. The order of laying

Lay column by column, from right to left. Start with the eaves sheet at the bottom right, then the sheet above it, and so on up to the ridge. Then start the next column to the left, again from the eaves.

1. Lay the first sheet at the bottom right, at the eaves.
2. Lay the next sheet above it, up the slope, with the end lap made over a purlin, until the first column reaches the top of the roof.
3. Move to the left. Lay the next column from the eaves upward, its side lap one full profile over the column beside it, with mastic lapping tape between them.
4. Continue column by column, right to left, to the far end of the roof.

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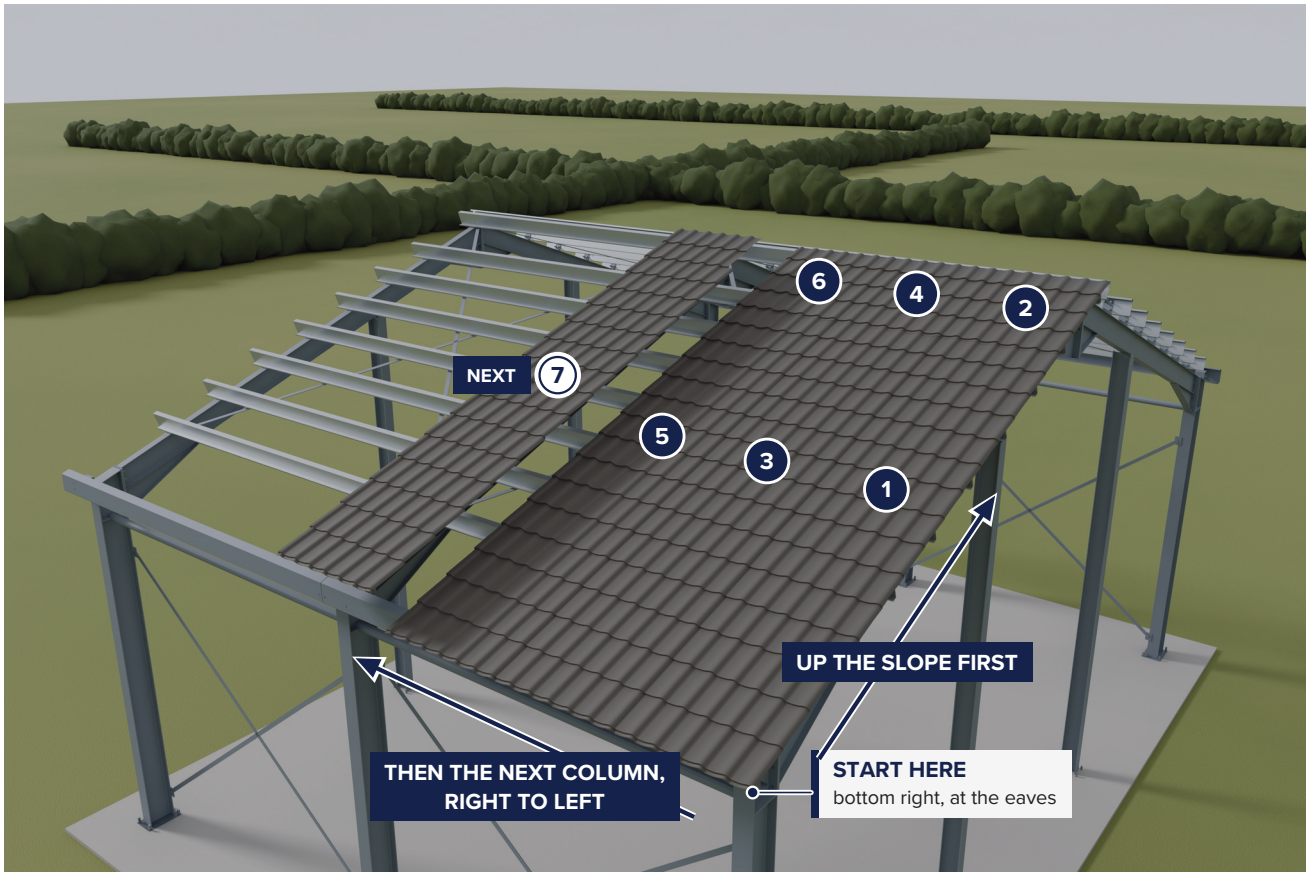
The order of laying

TileForm steel roof sheet, roof
Matt Surface Texture



Start at the bottom right, lay up the slope, then move left to the next column.
Sheets are numbered in the order they go on, one column at a time: the eaves sheet at the bottom right, the sheet above it, up the slope to the ridge, then the next column to the left, working right to left. Each new column laps the one before it by one full profile, with mastic lapping tape.

Keep each column straight and square to the eaves. A sheet that starts out of line carries the error across every column that follows.

3. Laps

Side lap

Lap each sheet over its neighbour by one full profile, with mastic lapping tape in the lap.

Side lap: one full profile

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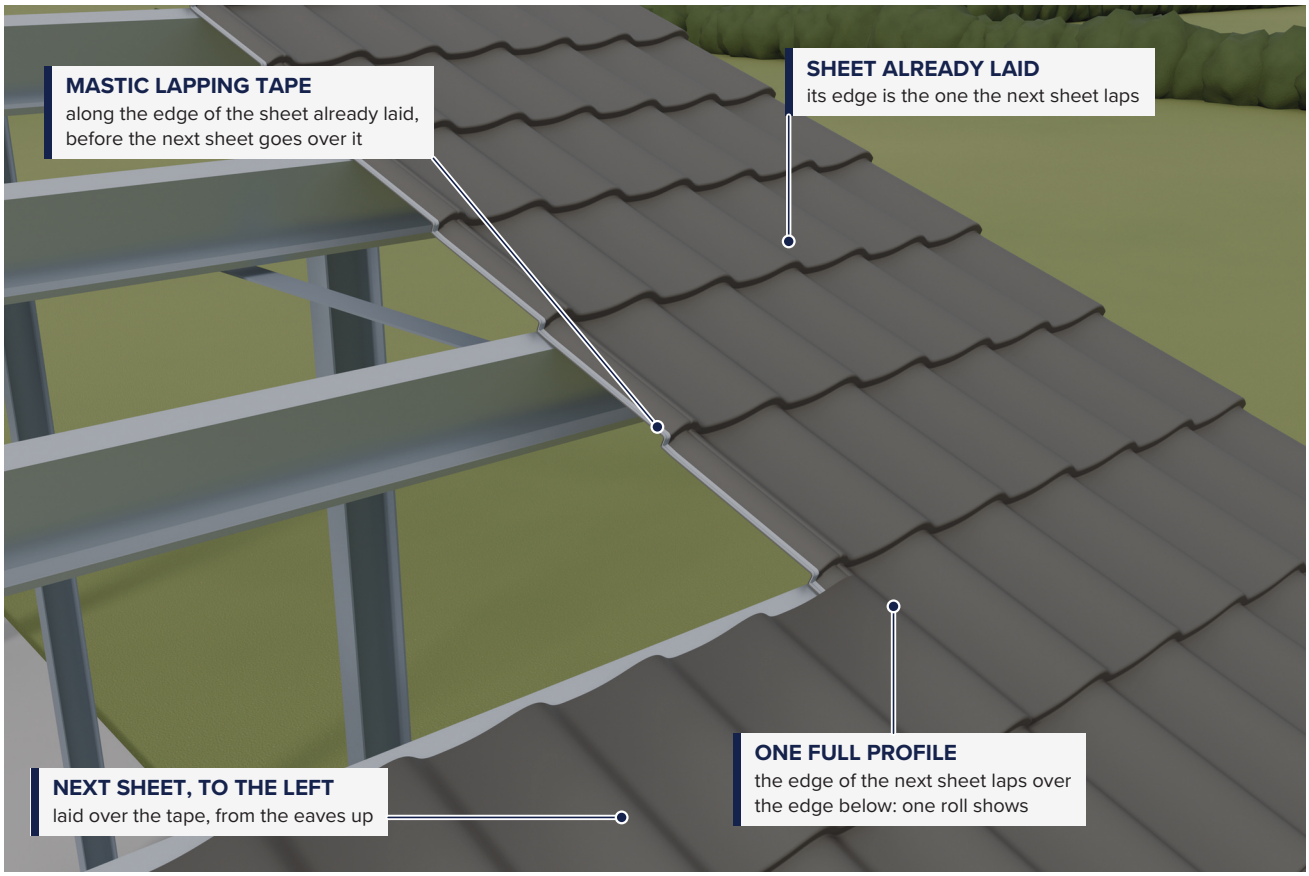

Lap each sheet over its neighbour by one full profile, with mastic lapping tape.
Lay the tape along the edge of the sheet already down. The next sheet, to the left, laps over it: its edge covers the edge below, so from above only one roll and the top sheet's edge show.

End lap

Make every end lap over a purlin, the upper sheet over the lower.

- 700 mm, two tiles, is the usual end lap.
- 600 mm is the minimum, on two-sheet runs, and still with a purlin under it.

End lap: two tiles, a purlin under it

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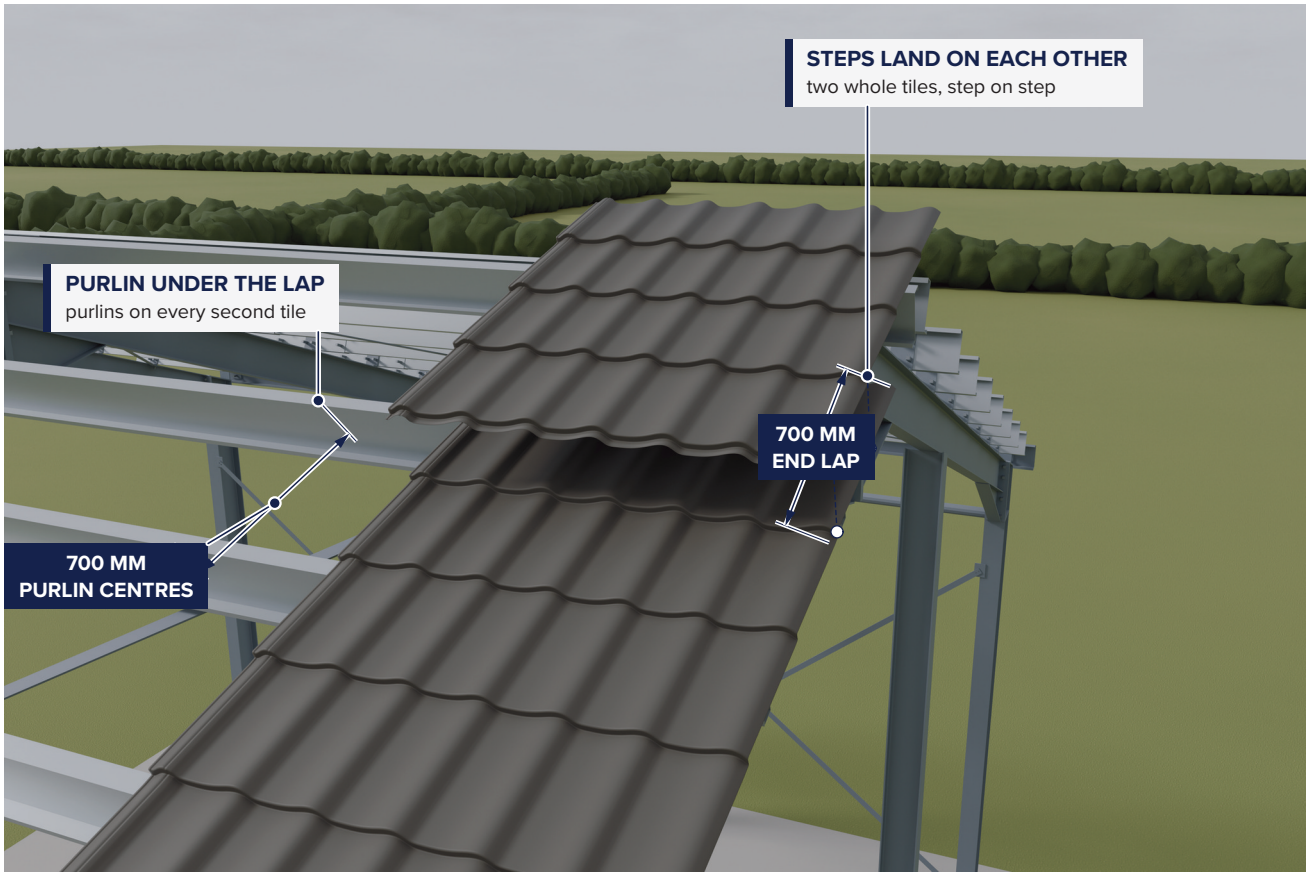

Make every end lap 700 mm, two tiles, over a purlin.
The up-slope sheet laps the lower sheet by two whole 350 mm tiles, so the steps land on each other. It is shown lifted clear of the lap. Purlins are at 700 mm centres, one under every second tile. 600 mm minimum, on two-sheet runs, still with a purlin under the lap.

4. Fixing

Fix TileForm with self-drilling, self-sealing screws through the valleys at every purlin: in every second valley, three to a sheet width, evenly spaced. Where the next sheet laps over, the side-lap screw through both sheets is that sheet's third screw.

- At the side lap, drive the screw through the edge of the top sheet into the edge valley of the sheet below.
- Colour caps over the screws are optional.
- Screws by purlin: timber, 32 mm Sheet-to-Timber Tek screws; light steel, 25 mm Sheet-to-Light-Steel Tek screws; heavy steel, 38 mm Sheet-to-Heavy-Steel Tek screws.
- About 4 fixings per square metre, plus the flashing stitchers.
- At an end lap, fix through both sheets into the purlin.

Fixing: through the valleys, at every purlin

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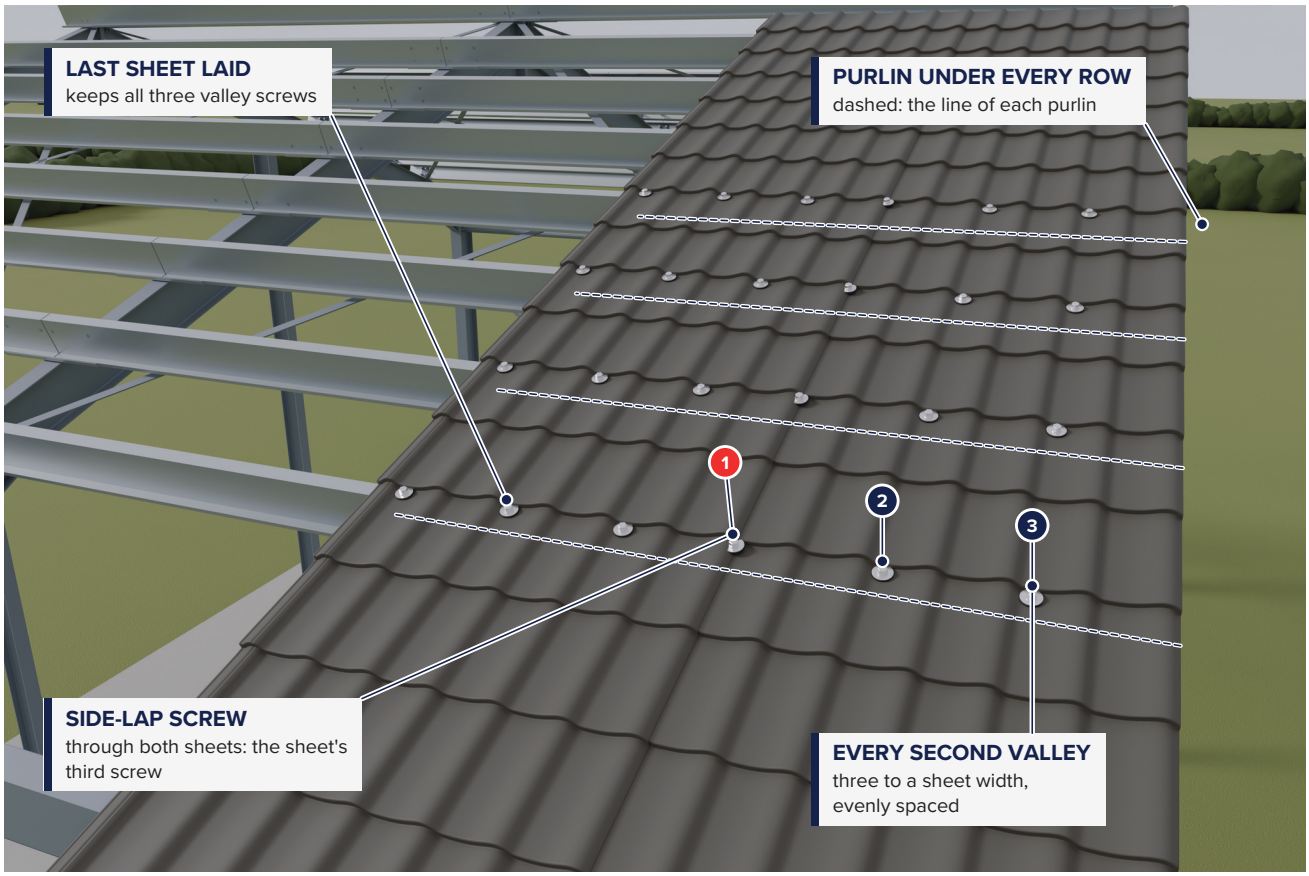

Fix through every second valley at every purlin, three to a sheet width, evenly spaced.
Where the next sheet laps over, the side-lap screw through both sheets is that sheet's third screw. Colour caps are optional. The screws are shown driven home, through the valleys into the purlins.

The screws are drawn larger than life so they read at print size.

5. Finishing the edges

- Verges: fit barge flashings.
- Ridge: fit a ridge flashing at the apex, fixed through the top of each roll.
- Top of a single slope: fit a custom flashing.
- Flashing laps: at least 200 mm. Join flashings with 22 mm stitching screws at no more than 400 mm apart.

Edges: barge and ridge

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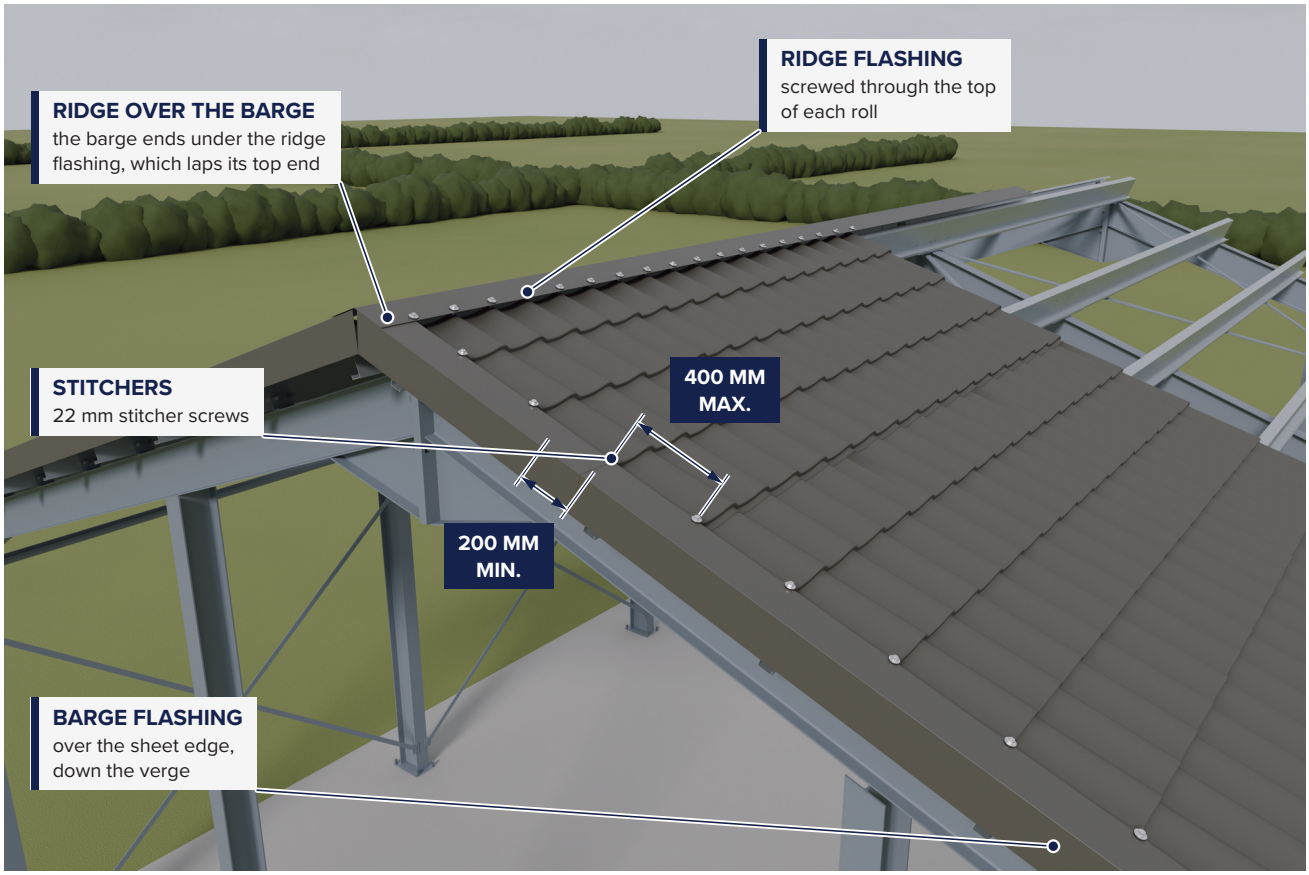

Barge flashing at the verge, ridge flashing at the apex, fixed through the top of each roll.
Flashings overlap 200 mm minimum. Fix them with 22 mm stitcher screws. Stitchers at 400 mm maximum for securing flashings. The ridge flashing is screwed through the top of each roll.

The screws are drawn larger than life so they read at print size.

Foam fillers

Profiled foam fillers close the gap between the sheet and the eaves and the ridge. At the eaves the filler goes under the sheet. At the ridge it goes over the sheet.

NO TILEFORM FILLER IS SOLD YET
Briarwood does not yet sell a foam filler made for the TileForm profile. Do not substitute a filler made for another profile. Wait until a TileForm filler is available.