

Corotile®

Lightweight Metal Roofing System



Made from lightweight high grade steel with Aluzinc® coating for incredible strength and weather protection

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Once you have planned your roof, simply follow this step by step guide. You only need a power screwdriver and a metal or nibbling shear (for finishing touches) to install your roof. Corotile's unique system involves no difficult cutting or bending.



So quick and easy to build...

Corotile parts simply overlap
- with no wastage

IMPORTANT

These instructions are guidelines only and do not include all the appropriate equipment which should be used in accordance with safety regulations.

Corotile's distinct profile and charcoal colourway can enhance a wide variety of small building projects, from our beloved toolsheds to the popular garden office.

Installation is easy and quick. There is no need to cut, and there is all you need including barge boards, ridges, end caps and fixings.



1

Attach Barge Boards

Firstly fix the Barge Boards to all sides of the roof. Align with the existing roof boarding at the eaves and align flush at the ridge. Overlap the Barge Boards as required giving a minimum of 25mm overlap. To fix into place, screw the special screw and washer fittings into sides of each Barge Board at overlaps and centres.

Use 3 fittings for each Barge Board including overlaps - see fig. 7 for positioning.

**2**

Set out first row of Tile Sheets

Laying right over the left, set out the first row of Tile Sheets horizontally across the roof at the eaves, centering the Tile Sheets to allow equal gutters up to a maximum of 75mm either side. Lay the last Tile Sheet in the row by simply overlapping it as required - there is no need to cut.

Please note: only overlap Tile Sheets by full pan widths and depths. **Do not fix into position at this point.**

**3**

Set out the Tile Sheets vertically

Allow a 50mm gap at the ridge (for the Ridge Cap) and an adequate overhang at the eaves.

Set out the number of Tile Sheets and overlapping required for the vertical using full pan widths and depths.

**4**

Fixing the Tile Sheets

Start fixing the first complete row of Tile Sheets at the eaves into position. Working from left to right, fix each Tile Sheet by using the special screw and washer fixings fixed securely into the centre of the pans and near to the joins. Please refer to fig. 7 for recommended fixing positions. Once the first row is secure, progress to place and fix the next row up of Tile Sheets into position. Align each tile with the row below, lay right over left and overlap with a full Tile Sheet at the end of the row.



5

Attach Ridge End Caps

Once all the Tile Sheets have been fixed securely into position, you are now ready to attach the Ridge End Caps and Ridge. Place Ridge End Caps into position centering on the apex of the roof and fix a screw and washer fixing into the centre as shown. Bend over both of the ears in order to underlap the Ridge Cap when fitted.



6

Attach the Ridge Cap

Put the first Ridge Cap into place flush with the end of the Barge Board and Ridge End Cap. Fix using the screw and washer fixings attached securely into the Barge Boards at the end, and then along the length down into the flange of the Tile Sheet underneath. Overlap the next Ridge Cap and fix a screw and washer fixing through both sections.

Repeat along the length of the ridge using a full Ridge Cap at the other end. See fig. 7 for fixing positions.



7

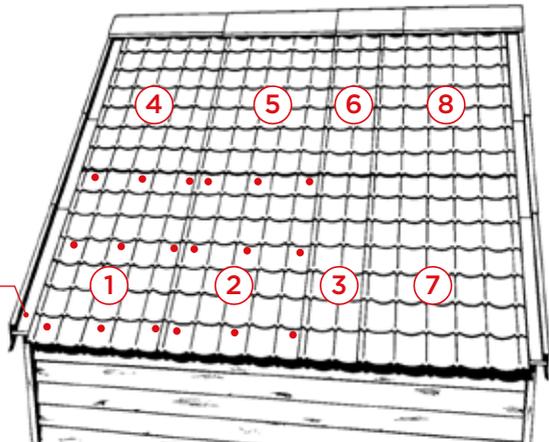
Fixing Positions

Use this example as a guide for the fixing positions. We recommend using 9 fixings per Tile Sheet and 3 fixings per Barge Board including overlap. Recommended minimum roof pitch of 10°.

Allow for 75mm gutter

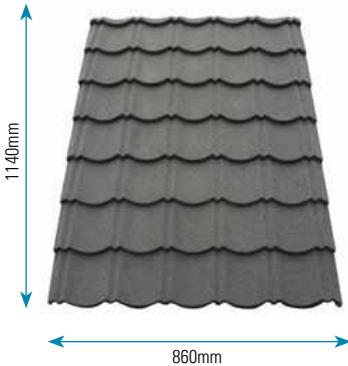
Sheet sequence ①

Screw and washer fixing •



The roof example illustrated has 8 Tile Sheets per pitch:
 4 horizontal with overlap = 17 pans wide 2 vertical with no overlap = 14 pans deep

Corotile Sheet (5 x 7 tile pattern)



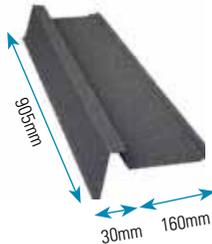
How does it work?

Each component is designed to overlap and be screw-fixed together. You can fit any size of roof by overlapping the tile sheets by any combination of full tile widths, both vertically and horizontally. Barge Boards can be overlapped to fit any length at the eaves, and provide a watercourse underneath the tiles. Similarly Ridges can overlap to accommodate any length. Ridge End Caps are used to finish off at the ridge ends. All the pieces are designed to be screwed down using special waterproof fixings.

What can Corotile be installed on top of?

Always work on a sturdy nailable base, tile battens or purlins. For battens set out at 480mm from front of batten to front of battens. We recommend using a good quality underlay. In the case of refurbishment, an existing roof covering (eg. bitumen sheets or shingle tiles) need not be pulled down, it can serve as an underlay.

Barge Boards



Do I need a heavy roof structure?

No. Corotile is incredibly light, weighing only 6kg/m² so there is no need for excessive roof structures.

Is a Corotile roof easy to plan?

Yes. Every Corotile Tile Sheet has 35 tiles: 5 tiles in the width and 7 tiles in the depth. Simply work out the number of sheets you will need to cover your roof area, using the dimensions on the left. There is no need to cut as each Corotile tile sheet can be overlapped by using a full tile shape both in width and in depth (overlap one, two, three, four tiles etc as required).

Ridge End Caps



What tools do I need?

You only need a power screwdriver and a metal or nibbling shear (for finishing touches) to install your roof. Corotile's unique system involves no cutting or bending.

Ridges



What is Corotile made of?

Each component is made from high grade steel, primed with a water-based acrylic and coated with Aluzinc® (55% Aluminium, 45% Zinc) and bonded with coloured stone granules. The result is incredibly strong, lightweight and resistant roofing that will withstand fire, storm, hail and snow. It is also resistant to corrosive atmospheric conditions.

Screw and Washer Fixings



Should I allow for wastage?

There is no need. If you plan correctly there should be no wastage at all.

How long does it last and is it guaranteed?

A Corotile roof is expected to last in excess of 20 years and comes with a 15 year no-quibble guarantee (subject to adherence of installation instructions).

Where can I buy Corotile?

Corotile is exclusively available from Ariel Plastics Ltd. through local merchants and builders providers.



Contact our sales team:

Tel: 01246 281111

Orderline Email: sales@arielplastics.com

or visit www.arielplastics.com

Corotile[®]
Lightweight Metal Roofing System



CHALETS
PLAY HOUSES
TOOLSHEDS
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ANNEXES
ANIMAL SHELTERS
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