

Low pitched roofing advice

CREST NELSKAMP LOW PITCHED ROOFING ADVICE

Finding a roofing solution for a low pitch or a complex roof can be frustrating and confusing. Crest high-quality range of roof tiles offer solutions that allow you to easily design roof pitches from a minimum of 10°. All design considerations and the roof installation should always comply with **BS 5250** Management of Moisture in Buildings, **BS 5534** Code of Practice for Slating & Tiling and **BS 8000-6** Workmanship on Building Sites Code of Practice for Slating & Tiling.

1. ROOFING UNDERLAY

Use appropriate air and vapour permeable underlay, which does not require secondary roof ventilation. Lay the roof underlay to the manufacturer's instructions.

2. ROOF TILE GAUGE & HEADLAP

Crest Nelskamp has a range of Clay roof tiles which will perform at roof pitches to a minimum of 10 degrees, (G10, H10, H14, F12 & F8.5) with a maximum rafter length of 6m. All of which need to be laid with a minimum 100mm Headlap.

Crest Nelskamp concrete roof tiles can be used at a minimum pitch of 15 degrees. The *Planum should be laid brokenbond, The Planum Duo should be laid quarter broken bond and Double Roman & Double Pantiles are laid straight bond, with a minimum headlap of 110mm. A rafter length no longer than 7.5m for the flat tiles, Planum and Planum Duo at 15 degrees. Please find out more information on our roofing tile data cards.

3. FIXINGS

All clay and concrete roof tiles should be mechanically fixed using Crest purpose made stainless steel tile clips, **do not nail the tiles at 17° and below**. The local areas around the roof perimeters and abutments must be securely fixed to BS5534, including roof windows, chimneys etc. Site specific fixing specifications are available from Crest on request. Fixing specifications may vary due to roof pitch and location.

4. EAVES

Simple to install an eaves closer or comb is a quick and effective way of preventing birds and insects from entering the counter batten cavity. They are fixed directly into the bottom of the counter batten at the eaves or onto a continuous edge batten along the complete perimeter length of the eaves.

5. VENTILATION

Always ensure adequate roof ventilation is installed in accordance with BS5250. Fix a 25mm fascia vent on top of the fascia board and allow 10mm continuous ventilation at the highest point of the roof.

6. SUPPORT TRAYS

At the eave use a good quality PVC support tray, 1.5m in length. These are quick and straightforward to install, ensuring the breather membrane fitted under the roof tiles is not carried into the gutter. It will help with long term maintenance at the eaves, does not deteriorate, prevents the membrane from being exposed to UV degradation and avoids ponding behind fascia's which can cause the membrane rot.

7. VERGE

At the verges use the matching colour of the Crest cloaked verge purpose made tiles. These are mechanically fixed and do not require any mortar giving a tidy and maintenance free solution.

8. DRY RIDGE SYSTEM

All dry fix systems that are used, like ridge, top abutment vents, verge, etc., should be BS8612 accredited and fixed to the manufactures instructions.

9. VALLEYS

The minimum recommended pitch for a lead lined valley is 11°. Further design advice can be obtained from the Lead Sheet Association, email info@leadsheet.co.uk. For GRP valleys please refer to the valley manufacturers recommendations.

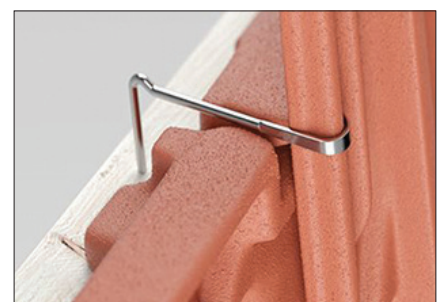
*As per European trademark Nr.7287956, filed on 2nd October 2008, the Trademark PLANUM belongs to La Escandella. It is Dachziegelwerke Nelskamp as authorized licensee of the owner allowed to use the mark PLANUM for its concrete product.



Crest Nelskamp Dry Fixing System.



Crest Nelskamp clay right hand cloaked verge.



All clay and concrete roof tiles should be mechanically fixed.

For further technical support and information please contact Crest on tel: **01430 432 667** or email: info@crest-bst.co.uk

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ROOFING TILES