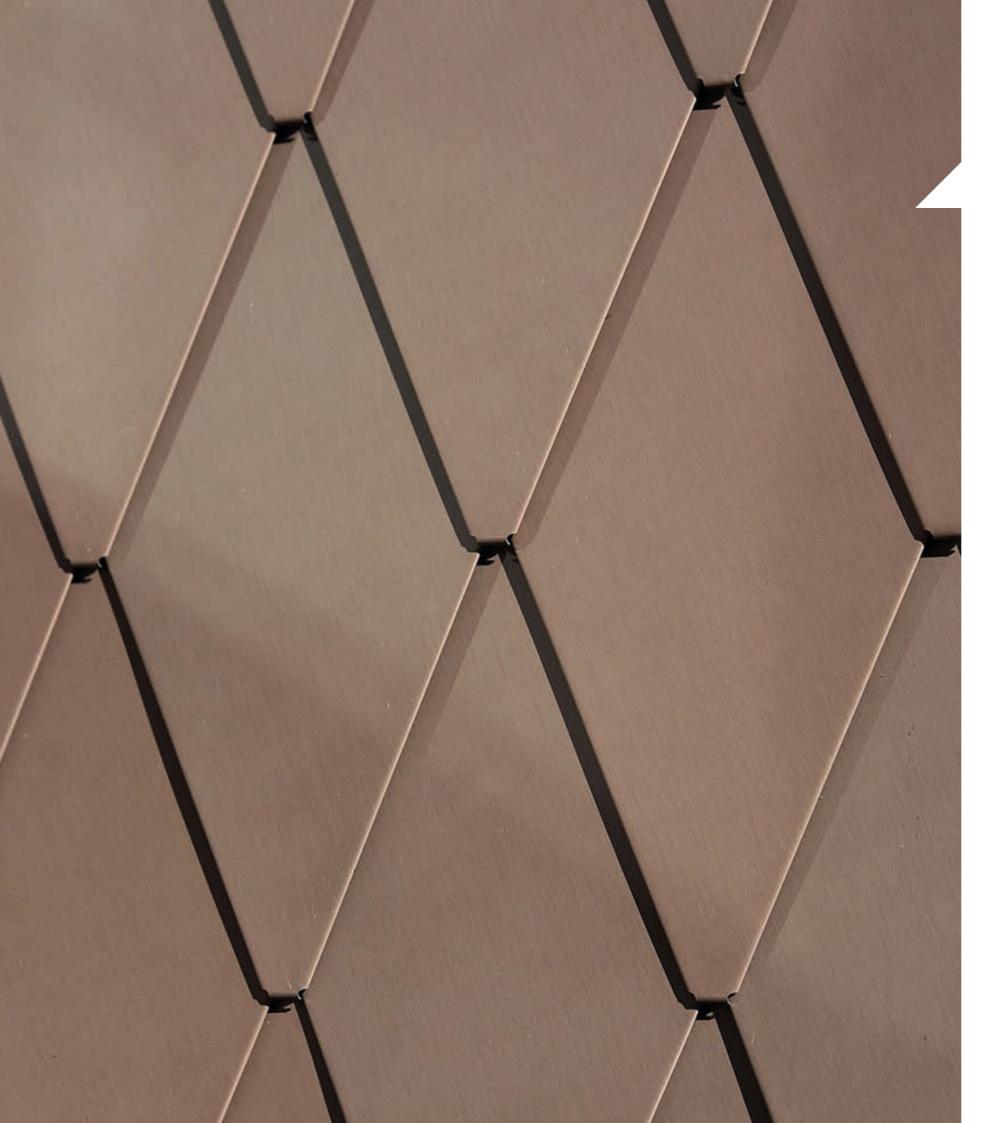




Index

Main characteristics	5
Square tile	7
Rhomboid tile	1
Pointed fish scale tile	1
Rounded fish scale tile	1
Substrate and façade construction	2
Samples	2



Main characteristics

elZinc® prefabricated tiles are suitable for wall cladding and for roof coverings pitched at 25° and above or 45° and above, depending on the design.

They are very easy to install, and can be cut, folded and edged as required at the boundaries of the cladding.

They can be installed over a ventilated or non-ventilated roof construction allowing the best solution to be chosen according to the characteristics of each project. The fixing is hidden. They need a continuous support behind them.

The tiles are fabricated using the elZinc® titanium zinc alloy rolled in accordance with EN988 and elZinc's own quality standards, which gives them excellent corrosion resistance (and therefore durability), high malleability, and good soldering characteristics. They are machine-manufactured using a modern stamping / bending process which ensures each tile is exactly the same as the other, making installation easier and the final result absolutely uniform. They are available in the complete elZinc® range of finishes.

There are four types of tiles in the elZinc® range:

Square tile

A square tile with a polystryrene backing giving a structured bold feel to the cladding

• Rhomboid tile

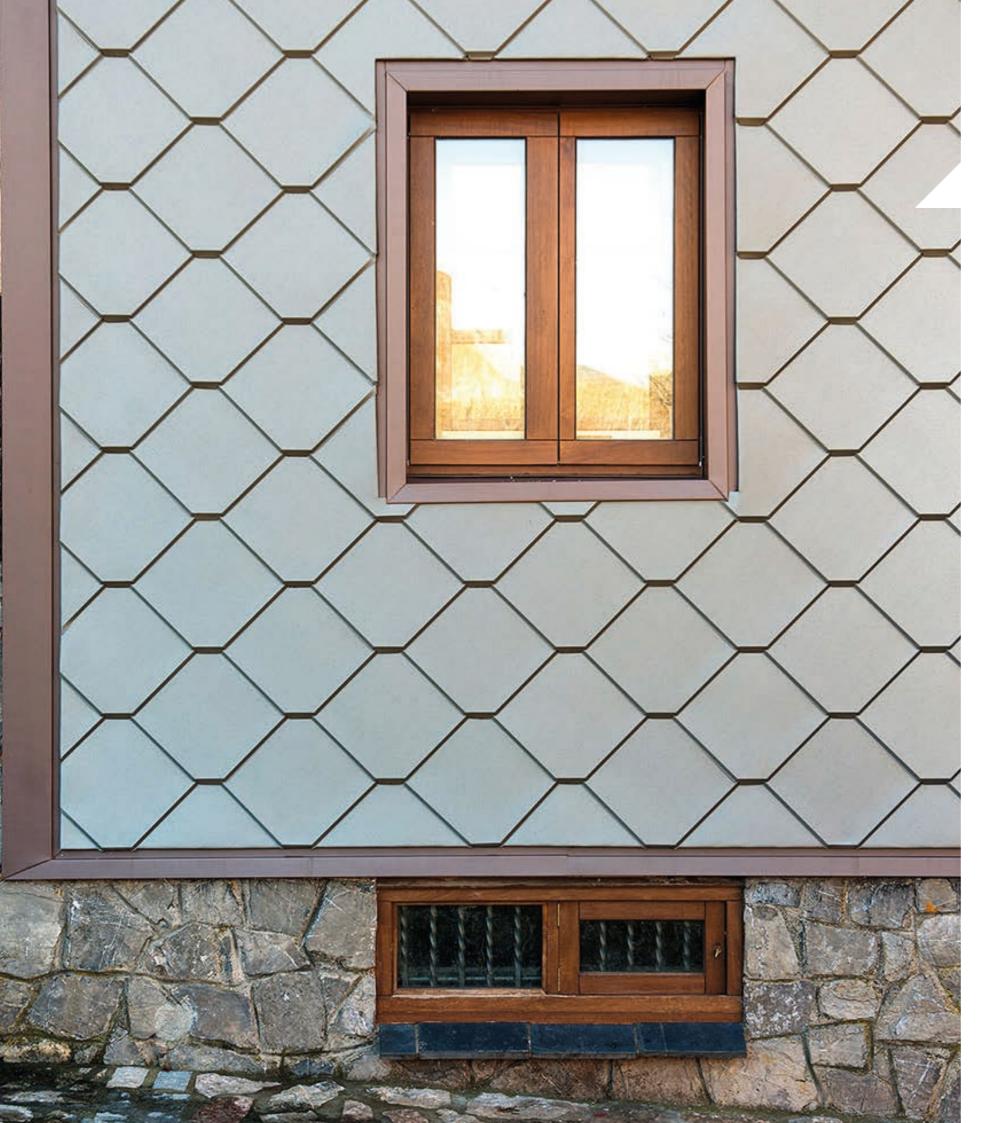
A clean, elegant and slender tile that is equally at home in traditional or modern architecture

Rounded fish scale tile

An elaborate traditional zinc tile echoing the styles of historic European architecture

Pointed fish scale tile

A simpler traditional tile for a more discrete look



Square tile

Screw / nail hole



Data sheet:

Application:

Flat cladding Roofs pitched above 25°

Material:

elZinc® titanium zinc to EN988 Extruded polystyrene backing

Finishes:

Natural Slate® Rainbow®

Thickness:

0,7mm

Weight: 7,25kg/m2

Coverage: 8,8 pieces/m2

Overall height: 512mm

Overall width: 555mm

Surface protection: Plastic film (except elZinc®

Packing:

24 pieces per box

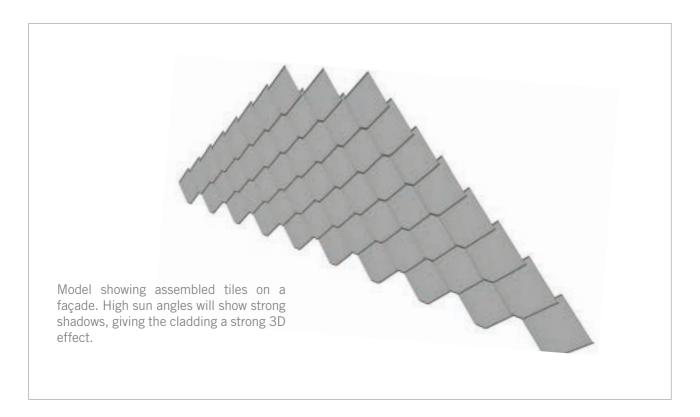
Features:

Bottom lip

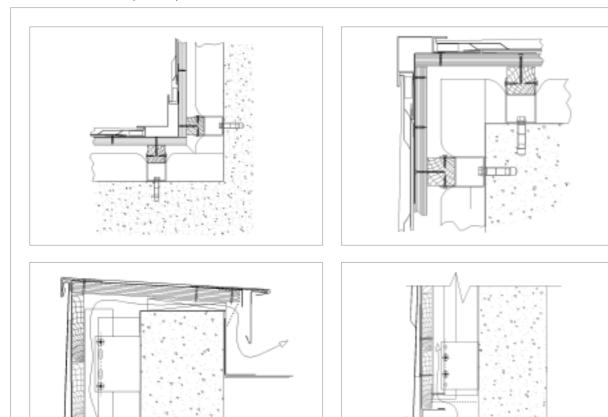
Oblique rear view

- Robust, clean appearanceQuick and trouble-free installation
- Automatic fabrication ensures exact dimensions
- Polystyrene backing dampens rain drumming and increases the tile's rigidity

8 | Prefabricated zinc tiles – Roofing and Cladding systems overview Prefabricated zinc tiles – Roofing and Cladding systems overview | 9



Some details are shown below to give an idea of a few of the typical details to be used with elZinc® tiles. More are available upon request.



Installation

elZinc® square tiles are quick and trouble free to install. The tiles locked together by sliding the bottom lip up under the tiles below (through the recesses in the flanges) are direct-fixed using nails or screws through the three holes provided.

A starter 'T' plate is normally used to begin the installation at the bottom edge. At the top of the cladding, tiles are cut to size and folded according to the wall capping detail.

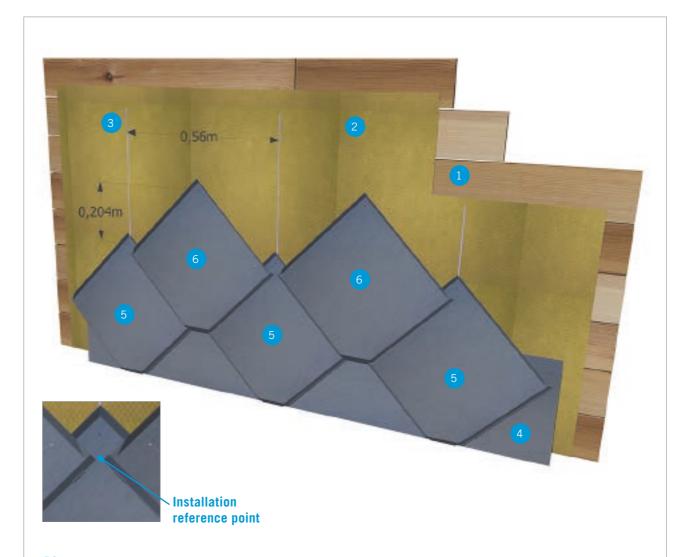


Diagram:

- 1. Substrate (alternatives possible, see page 22)
- 2. Breather membrane (optional if using open gap softwood boarding)
- 3. Vertical Layout lines at 560mm centres
- 4. Starter 'T' plate
- 5. First row of tiles, bottom lip hooked around 'T' plate
- 6. Next row of tiles. There is a small indentation, just below the top hole, which indicates the level of the corners of the next tile



Rhomboid tile

Screw / nail hole



Oblique rear view

Data sheet:

Application:

Flat and curved cladding Roofs pitched above 25°

Material:

elZinc® titanium zinc to EN988

Finishes:

Natural Slate®

Rainbow®

Thickness:

0,7mm

Weight:

7,8kg/m2

Coverage:

14,2 pieces/m2

Overall height:

560mm

Overall width:

280mm

Surface protection:

Plastic film (except elZinc® natural)

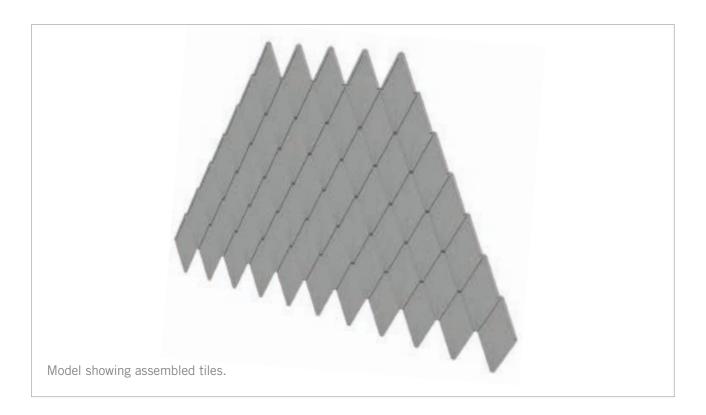
Packing:

35 pieces per box

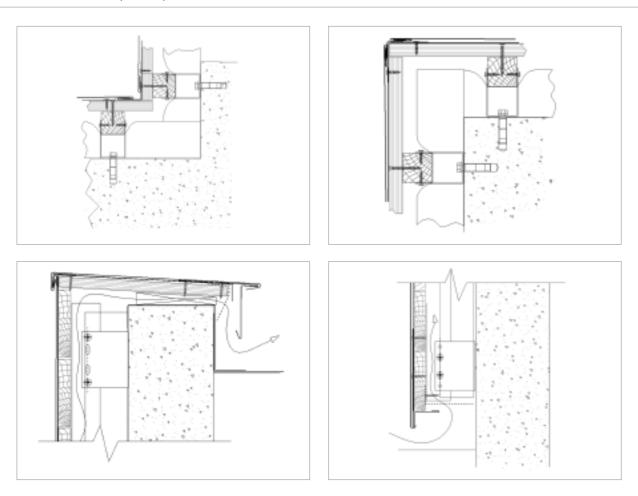
Features:

- Elegant and artisan appearance
- Quick and easy installation
- Automatic fabrication ensures exact dimensions
- Curved installation possible

12 | Prefabricated zinc tiles - Roofing and Cladding systems overview Prefabricated zinc tiles – Roofing and Cladding systems overview I 13



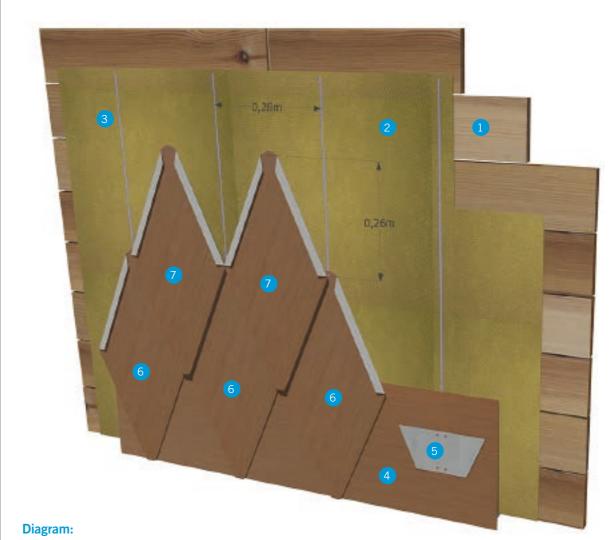
Some details are shown below to give an idea of a few of the typical details to be used with elZinc® tiles. More are available upon request.



Installation

elZinc® rhomboid tiles are quick and easy to install. The tiles are interlocked and fixed directly at their top through the hole provided with a nail of a screw.

A starter 'T' plate is normally used to begin the installation at the bottom edge. At the top of the cladding, tiles are cut to size and folded according to the wall capping detail.



- 1. Substrate (alternatives possible, see page 22)
- 2. Breather membrane (optional if using open gap softwood boarding)
- 3. Vertical Layout lines at 280mm centres
- 4. Starter 'T' plate
- 5. Bottom tile clip fixed through 'T' plate
- 6. First row of tiles, slid up over clip and bottom lip folded around 'T' plate
- 7. Next row of tiles



Pointed fish scale tile

Data sheet: Screw / nail hole



Front view



Rear view



Oblique rear view



Oblique front view

Application:Flat and curved cladding Roofs pitched above 45°

Material:

elZinc® titanium zinc to EN988

Finishes: Natural Slate® Rainbow®

Thickness: 0,7mm

Weight: 10,9kg/m2

Coverage: 72 pieces/m2

Overall height: 240mm

Overall width: 142mm

Surface protection: Plastic film (except elZinc® natural)

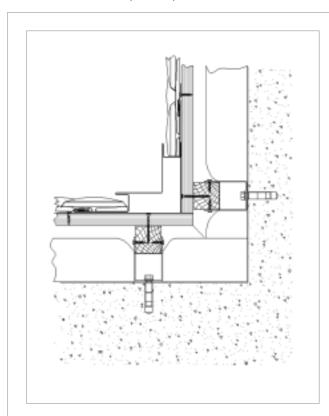
Packing: 144 pieces per box

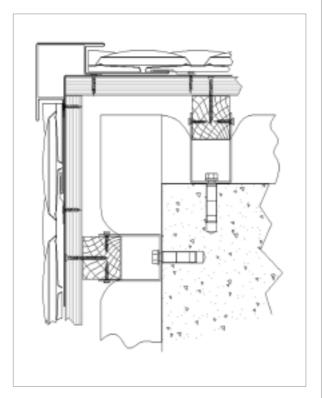
Features:

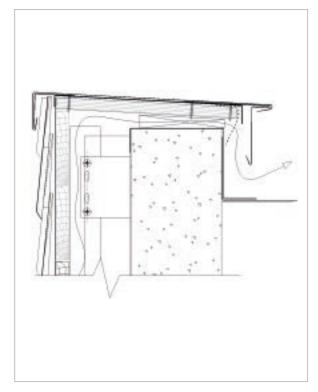
- Traditional appearanceQuick and easy installation
- Automatic fabrication ensures exact dimensions

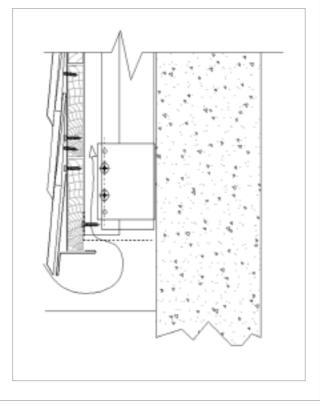
16 | Prefabricated zinc tiles – Roofing and Cladding systems overview | 17

Some details are shown below to give an idea of a few of the typical details to be used with elZinc® tiles. More are available upon request.



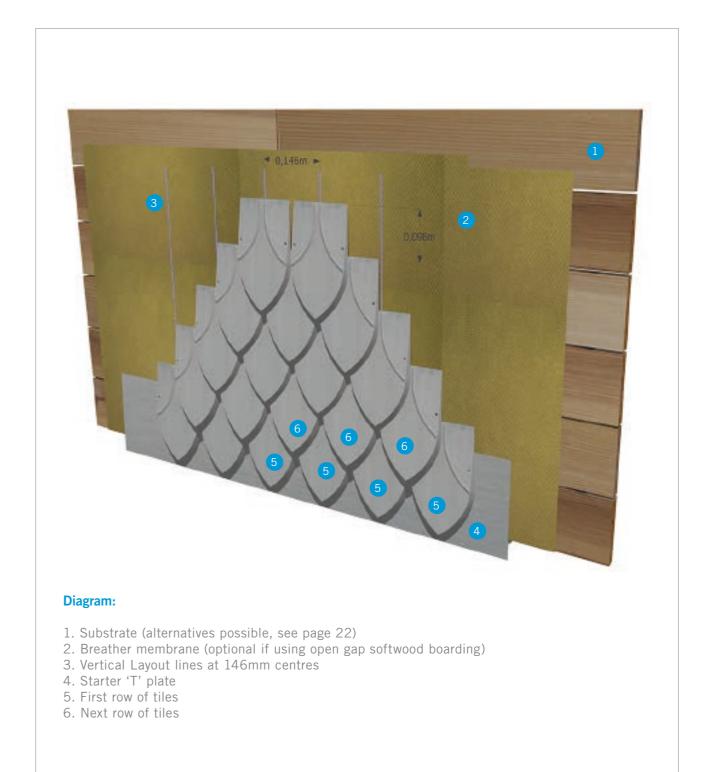






Installation

elZinc® pointed fish scale tiles are quick and easy to install. The tiles are overlapped and fixed directly at each side through the holes provided with a nail of a screw.





Rounded fish scale tile

Screw / nail hole



Front view



Rear view



Oblique rear view



Oblique front view

Data sheet:

Application:

Flat and curved cladding Roofs pitched above 45°

Material:

elZinc® titanium zinc to EN988

Finishes:

Natural Slate®

Rainbow®

Thickness: 0,7mm

Weight: 7,4kg/m2

Coverage:

41 pieces/m2

Overall height:

280mm

Overall width: 200mm

Surface protection:

Plastic film (except elZinc® natural)

Packing:

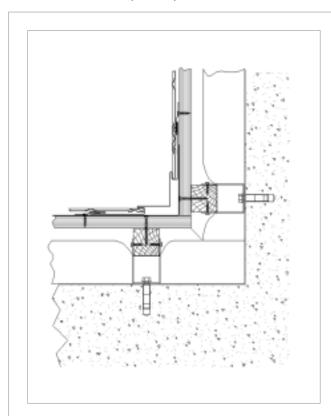
104 pieces per box

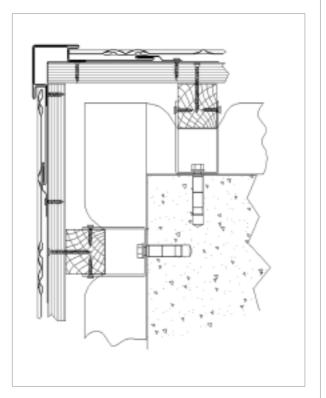
Features:

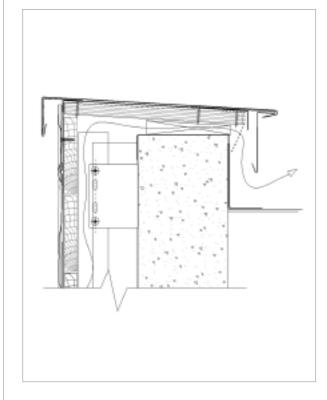
- Traditional appearanceQuick and easy installation
- Automatic fabrication ensures exact dimensions

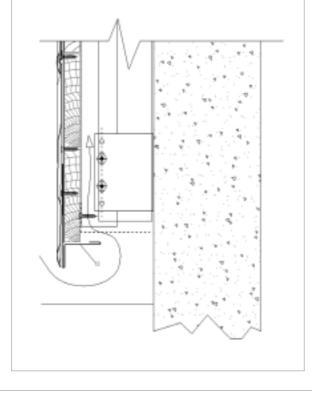
20 | Prefabricated zinc tiles - Roofing and Cladding systems overview

Some details are shown below to give an idea of a few of the typical details to be used with elZinc® tiles. More are available upon request.









Installation

elZinc® rounded fish scale tiles are quick and easy to install. The tiles are overlapped and fixed directly at each side and the top through the holes provided with a nail of a screw.

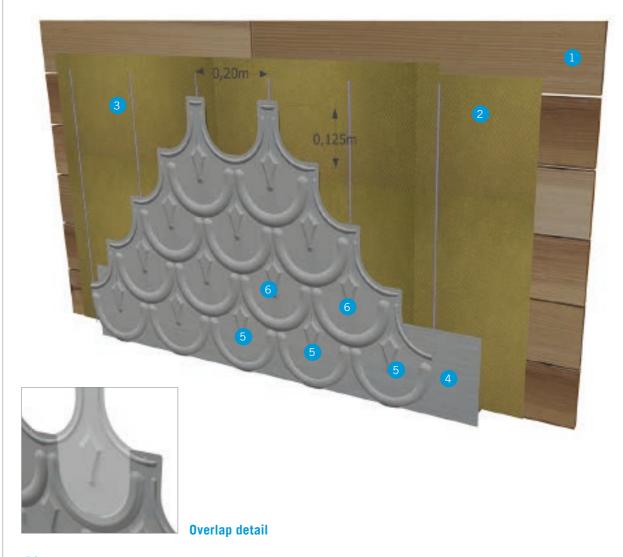


Diagram:

- 1. Substrate (Alternatives possible, see page 22)
- 2. Breather membrane (optional if using open gap softwood boarding)
- 3. Vertical Layout lines at 200mm centres
- 4. Starter 'T' plate
- 5. First row of tiles
- 6. Next row of tiles

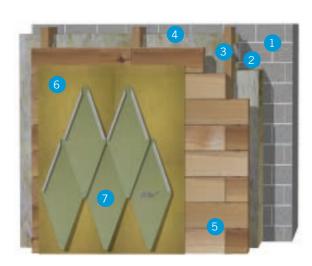
22 | Prefabricated zinc tiles – Roofing and Cladding systems overview | 23

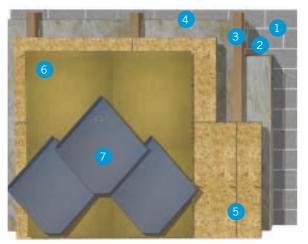
Substrate and façade construction

The elZinc® rounded fish scale tiles are quite small in size and so for economic reasons a continuous soft wood wooden boarding or plywood or OSB sheathing is normally used to support them.

It is usually ventilated with an air layer (minimum 2cm) between it and the insulation. All of these substrate materials are combustible and therefore the relevant national building codes should be consulted to ascertain any possible limitations placed on their use in external walls.

Two examples of façade construction are shown below. For more detailed information on supporting materials and wall construction, please consult our technical documentation.





Traditional vented substrates:

- 1. Concrete block structural support
- 2. Wall bracket
- 3. Soft wood battens
- 4. Insulation between battens
- 5. Substrate alternatives

22 or 24mm open gap softwood boarding

19mm Class 2 plywood

18mm Class 3 OSB

19mm Class P5 particle board

- 6. Breather membrane (optional if using open gap boarding)
- 7. elZinc® tiles

Samples



Note: The colours shown in this document are for illustrative purposes only and should not be taken as representative of the real finishes. Please request our sample card to see the real elZinc® finishes.

For more detailed technical information, please consult our technical literature or contact our technical advisory Service.



94 Endeavour Way Sunshine West VIC 3020 Phone: 03 9314 2426

info@elzinc.com.au

www.elzinc.com.au



ASTURIANA DE LAMINADOS, S.A. has developed the instructions and recommendations herein with the aim of providing a better service for its customers. It is generic information for standard installation of elZinc® products in a European climate.

This information must not substitute the considerations and requirements that, in each project, architects, designers and consultants may offer.

ASTURIANA DE LAMINADOS, S.A. does not accept any responsibility therefore for any damage incurred to third parties, directly or indirectly by the misapplication, misinterpretation or general incorrect use of the information contained herein, exonerating itself from all and any responsibility deriving from this document, within the legal framework established and applicable in each case.

We remind readers that ASTURIANA DE LAMINADOS, S.A. provides an advisory service to assist in the interpretation and use of this information should any doubts arise in this regard.

Factory

Asturiana de Laminados, S.A.
Polígono Industrial de Villallana,
Parcela 1
33695 Villallana - Spain
Tel (0034) 98 410 60 00
Fax (0034) 985 49 32 02

Headquarters

Asturiana de Laminados, S.A.
Polígono Industrial de Olloniego,
Parcela C1
33660 Olloniego - Spain
Tel (0034) 98 567 60 00
Fax (0034) 98 569 20 00

January 2015 www.elzinc.co.uk elzinc@aslazinc.com