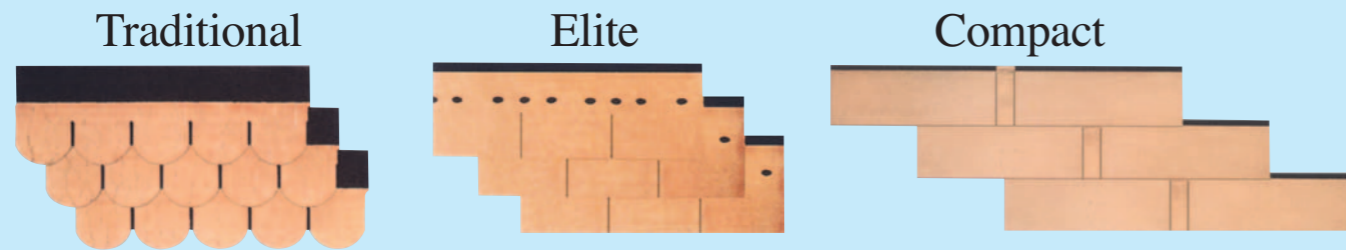


## Styles

### NATURAL - COPPER



### PRE-PATINATED

Elite Compact

Compact - Extra clips can be installed to reduce the centre to 500 or 330mm

## Technical Data

	TRADITIONAL	ELITE	COMPACT
Dimensions (cm)	100x34	100x34	100x34
Thickness - metal (micron)	70	70	70
- shingle (mm)	3	5	5
Weight/m <sup>2</sup> (kgs)	11	17	8.5
Coverage/bundle (m <sup>2</sup> )	3.05	2.03	4.06
Exposure (cm)	14.5	14.5	29
Offset (cm)	50	16.5	50
*Min. Pitch (Deg.)	17	17	20

\* For non-exposed locations and slopes less than 7m, otherwise use Tegola underlay.

**MATTHEW HEBDEN**

**TEGOLA**  
CANADESE  
LA NATURA IN SEGNA

# PRESTIGE – Copper Tiles

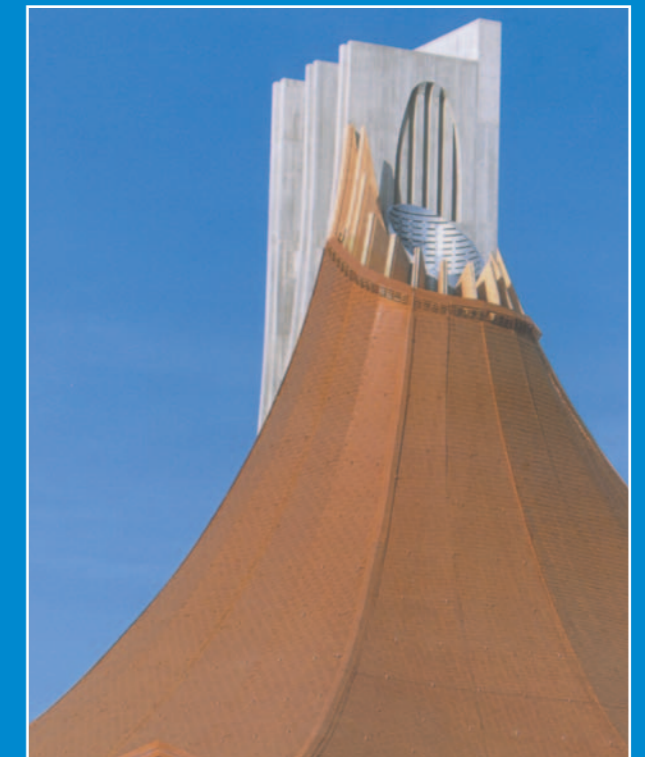
## Natural & Pre-Patinated

CI/SfB reference

(47) Nn2

February 2005

- Roofing
- Wall Cladding
- Curved Surfaces
- Lightweight



Certified to British Standard BS EN 544



## General

### Introduction

Prestige tiles are produced to ISO 9001 by Europe's largest manufacturer of asphalt shingles, producing over 2,500m<sup>2</sup> per hour and exporting to over 43 countries throughout the world.

They have also been awarded ISO 14001 certification, proving that the production is consistent with environmental protection and that the product does not damage the environment.

### Application

Prestige tiles are lightweight and are suitable for roofing and wall cladding, from very low pitches to vertical, and their flexibility makes them suited to curves and complex roof shapes.

### Authority

Prestige tiles are produced to standards higher than the British and European standard BS EN 544 Class 1.

## Description

### Composition

Prestige tiles are made from a glass fibre mat, with a weight up to 125gm/m<sup>2</sup>. This gives high mechanical strength, in excess of any international standards. The fibre is pre-impregnated with bitumen to eliminate moisture or cavities within the mat. Further bitumen, which is carefully selected to ensure product stability and resistance to temperature fluctuations is then added, and the copper foil is laminated on top. A special thermo setting adhesive is then applied, which sticks the leading edges of the tiles down, and the material is then cut to the shape required.

### Accessories

Roof ventilators, eaves and verge trims, and Bitustick adhesive, are available.

### Shape

Prestige tiles are supplied as a tile strip of 3-5 tiles, depending on the style, which is normally nailed directly to a timber deck.

### Dimensions

The strip size is 1000 x 340mm. Full details of this, the exposure or distance between the courses, and pack sizes are shown in the data table.

### Weight

The installed weight, including overlaps, varies from 8.5 to 17kgs/m<sup>2</sup> depending on style, as shown in the data table. This makes them suitable for lighter, more economic, structures.

### Appearance

Prestige tiles will quickly lose their bright appearance when exposed to the atmosphere. The copper will weather through its bronze tone to the eventual green patina, which in marine atmospheres can take 5 years, but in more rural locations can take over 20 years. A pre-patinated version of Elite and Compact is available.

## Performance

### Weather

Prestige tiles are resistant to attack by hostile chemicals in the atmosphere and to high wind speeds, as leading edges are bonded down.

### Mechanics

The minimum resistance to longitudinal load is 1000N, to transverse load 800N, with a peeling resistance of 500N.

### Fire

Prestige tiles have the European DIN 4102 fire rating.

### Chemical

Prestige tiles are resistant to atmospheric corrosion and substances leaching from building materials.

### Biological

Prestige tiles are resistant to attack by lichens and moss.

### Pollution

Prestige tiles are suitable for use in marine, industrial, urban and rural atmospheres.

### Heat

Prestige tiles have been used in very hot climates and tests show that there is no de-lamination.

### Compatibility

Prestige tiles are compatible with other building materials.

### Durability

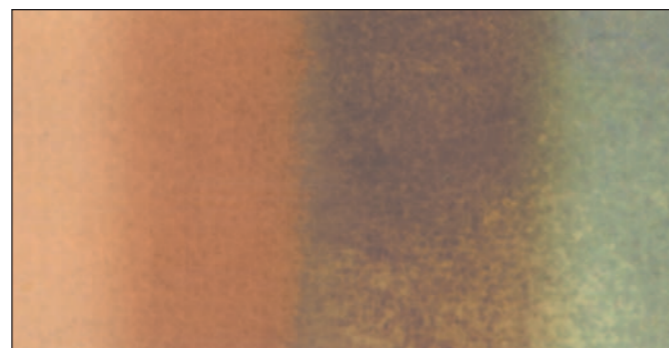
Prestige tiles have a 10 year transferable warranty. Due to their high strength, metal foil protection and pre-impregnated construction their expected life is 35 years.

## Design Application

### Deck and Pitches

Prestige tiles can be applied to any nailable deck with stainless annular ring shank nails. Exterior grade plywood of a minimum thickness of 12mm is usually preferred. They can also be applied to non-nailable decks by using a torch-on method of installation.

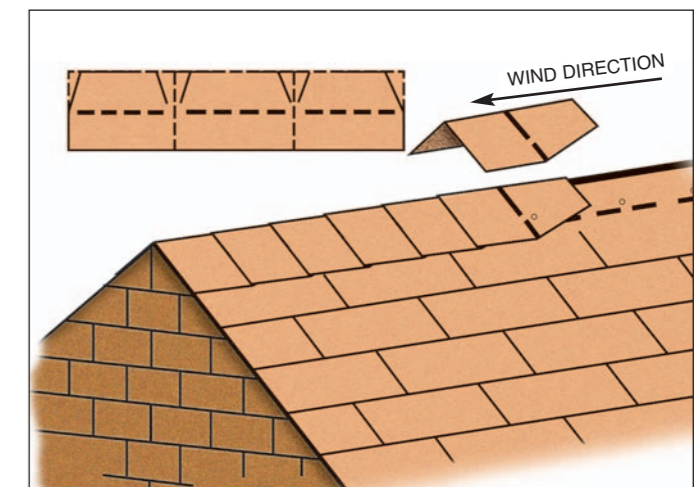
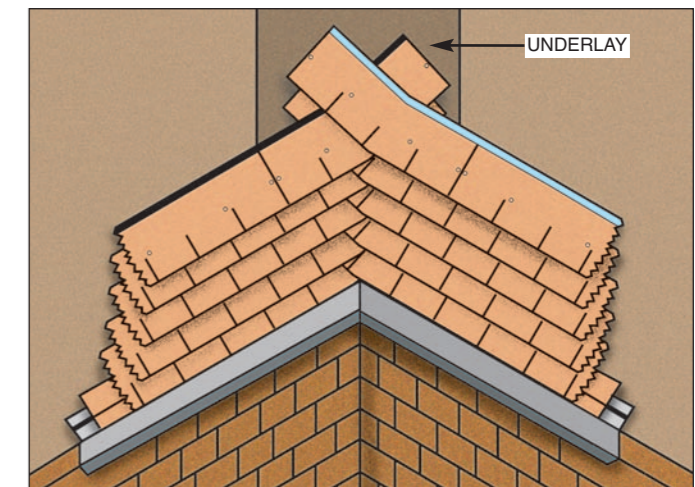
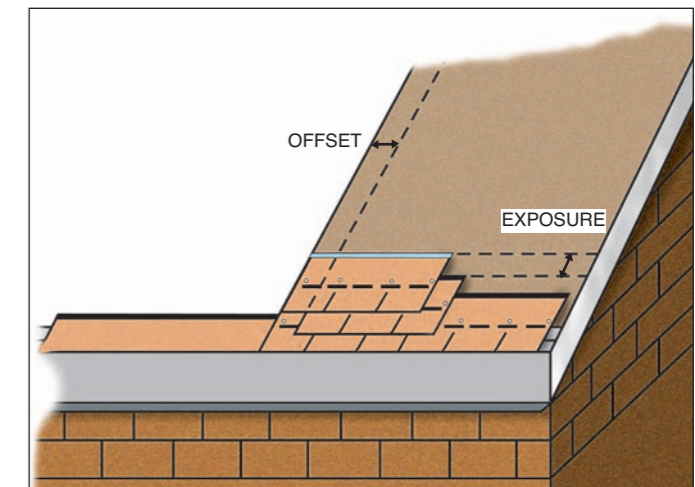
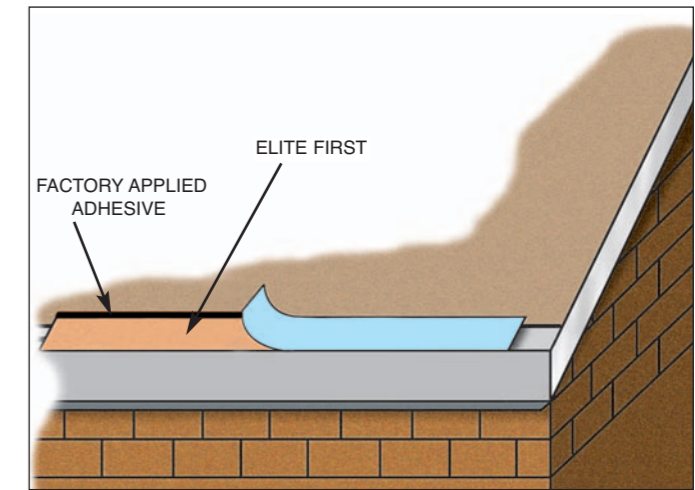
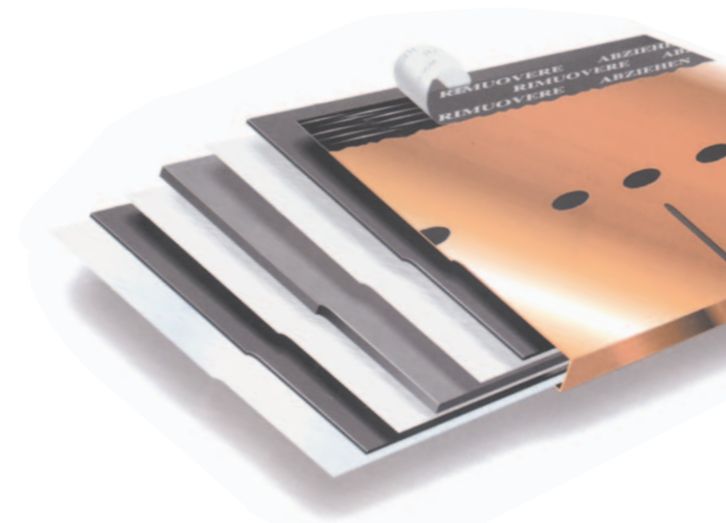
The minimum pitch without underlay varies from 17 to 20° depending on the tile used, as shown in the data table overleaf. For pitches less than these minimums, or for slope lengths over 7m, or exposed locations, the torch-on method or the Tegola self adhesive underlay must be used.



### Installation

Installation starts by marking out the vertical centre line of the roof, with another line running parallel to show the offset of alternate courses, and horizontal lines showing the exposure distance between the courses. The offset and exposure distances are both shown in the data table overleaf.

Laying the tiles commences at the eaves with a starter course, using the Prestige Elite First self adhesive material which is positioned on the offset line. The first course is nailed on top of this starting from the centre line, with the nails going through two layers of tiles, and the strips butted end to end along the roof. The second and alternate courses are placed on the offset line and worked up towards the ridge.



Prestige Traditional tiles are supplied with Bitustick adhesive, which is placed just above the notches to stick down the tile above. On the Elite and Compact shape there is a self adhesive strip along the top edge which performs this function

The ridge, and any hips, are then capped by tiles produced by cutting through the notches on the strips, nailed into position with 2 nails either side and Bitustick adhesive applied over the nails to prevent water penetration and assist in sticking down the overlapping ridge tiles. Installation must be carried out in the opposite direction to the prevailing winds to prevent wind driven rain from penetrating the ridge caps.

Valleys are started with the Tegola torch-on or self adhesive underlay down the centre line and then interweaving the courses of tiles from the two intersecting roof pitches. For shorter valleys, where the water flow is smaller, it is neater to extend the tiles from one side 1 tab width beyond the centre line and then cut the tile from the other side to the centre line. This gives a neat mitred effect but relies on a good quality underlay for waterproofing.

Eaves and verges are best formed by metal with Bitustick adhesive preventing water penetration between the trim and the tile.

Ventilation of the roof void is an important way of reducing condensation. Ventilators are available, which are usually placed at the top of the slope near the ridge to act as ventilation outlets, with the ventilation inlet being placed below the eaves. A vented ridge construction is also available.

Detailed installation instructions for each style are available on request. The minimum temperature for installation is 10°C.