

**CHESTNUT**

**Type: Hardwood**

**Source: UK**

Chestnut is a species of wood that exudes natural beauty and a golden colour. Chestnut is suited to a wide range of timber cladding projects. It is typically the preferred species for projects that require a hard wearing and stable wood as it isn't as vulnerable to knocks, scrapes and scratches as other materials.



**Embodied Carbon (kgCO<sub>2</sub>e / m<sup>2</sup>)\* = 0 (7.08 Offset)**

### Ecova Clad Chestnut Durability Classification

Common name	Natural Durability Class BSEN350:2:1994	Movement	Strength
Temperate hardwoods Chestnut	2	Medium	High

### Durability Classifications

Natural durability class	Need for treatment/modification	Desired service life (years)	
		Occasionally wet	Frequently wet
1 (Very durable)	Suitable without treatment	>60	60
2 (Durable)	Suitable without treatment	60	30
3 (Moderately durable)	Suitable without treatment except for tall or exposed buildings	30	15 (untreated)
4 (Slightly durable)	Treatment required	15-30 years treated	15-30 years treated
5 (Not durable)	Treatment required	15-30 years treated	15-30 years treated

### Treatments and Finishing

- Good workability. Takes fixings well. No treatment required

### Moisture Movement

Small

Wood's moisture content will change relative to its surroundings. Different species have different degrees of movement and this must be accounted for in cladding design.

Good design and installation practice will help minimize the effects of moisture:

- Use eaves and overhangs to deflect rain - or flashing to protect the board tops
- Finish cladding at least 200mm from the ground or a horizontal surface. Where possible use a surface that diffuses rain, such as gravel
- Board widths should generally be 4 to 6 times board thickness (typically less than 150mm)
- Design detailing must include measures that minimise water penetration

### Profiles

Wide choice of standard profiles (see Ecova Clad profiles guide)

### Density (mean, Kg/m<sup>3</sup>):

560 kg/m<sup>3</sup>

### Recommended Fixings/Flashings

Stainless steel or galvanised screws

### Colour(s)

Pale golden brown, ages to silver grey if left unprotected

### Fire compliance

**Exterior cladding** - Timber cladding is suitable for buildings of 18m or lower. No combustible materials are permitted for cladding on residential buildings over 18m high.

### Environmental

Chestnut is supplied by experienced mills and only sourced from managed forests.

\*The embodied carbon calculation does not account for final delivery to site