

**TREATED SOFTWOOD**    **Type: Softwood**    **Source: Scandinavia**

Treated Softwood from Scandinavia is a very popular species for timber cladding and is used for internal and external cladding projects. Treated Softwood works well with both hand and machine tools. Its colour is pale yellowish-brown to reddish-brown. For its weight, the timber is strong.



**Embodied Carbon (kgCO<sub>2</sub>e / m<sup>2</sup>)\* = 0 (6.20 Offset)**

**Ecova Clad Treated Softwood Durability Classification**

Common name	Natural Durability Class BSEN350:2:1994	Sapwood Treatability	Movement	Strength
Treated Softwood    European	4	Resistant	Small	Medium

**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**

Easy to work with both hand and machine tools.

**Moisture Movement**

Medium

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>):**

510kg per m<sup>3</sup>

**Recommended Fixings/Flashings**

Stainless steel fixings are always recommended.

**Colour(s)**

White, Cream

**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**

Not listed in CITES, available from well managed sources.

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