

About Fire-Treated Timber

Timber Cladding is growing in popularity as a material within the construction industry. Being a versatile, aesthetically pleasing and cost effective material, there is an ever increasing demand across all sectors of the industry, noticeably in Residential, Education, Health Care and Retail projects.

A number of projects in these sectors often require the façade to meet Euro Class B/Class “0” (BS 476 Part 6 & 7 ‘Spread of Flame’). This is possible with additional Fire Retardant Treatments.

Timber is one of the most popular substrates in the cladding market. It is approved as a suitable material for external cladding under UK Building Regulations. Timber offers a unique combination of practical, environmental and aesthetic advantages.

Our information is based on factory applied coating, which can be controlled, meet ISO requirements, and are supplied with Certification for each project.

Timber Fire Classification:

Untreated timber generally has a classification of D-s2,d0, which does not change following which does not change following Koppers MicroPro/ MicroShades treatment.

In certain applications, timber cladding may need an additional level of fire protection above the natural fire classification.

The timber treatments that NORclad offer, with Micronized preservatives (e.g. MicroShades Brunnea) do not change the natural fire rating of the product in any way.

Species	Untreated*	Pressure Treated**	Fire Treated***
European Redwood (Pine)	D-s2,d0	D-s2,d0	B-s2,d0
Western Red Cedar	D-s2,d0	D-s2,d0	B-s2,d0
Siberian Larch	D-s2,d0	D-s2,d0	B-s1,d0

*Untreated information sourced from the Commission of European Standards.

**Pressure Treated EN13823 results sourced from an independent UKAS accredited test house.

***Fire treatment to Euroclass B-s2-d0 (s2 Smoke Production - d0 Flaming Droplets). BS EN 13823 & BS EN 11925-2 Single Burning Item.

Explanation of the Fire Classification System:

D

The main part of a classification is its letter: **A1, A2, B, C, D, E** or **F**. **A1** represents the highest level of performance. **F** represents the lowest level of 'No performance determined'.

There may or may not be a subscript next to the letter A. Subscript '**fl**' means that product has been classified for use as flooring. A subscript '**L**' means the product has been classified for use as a linear pipe thermal insulation product. The absence of a subscript means the product is for use on walls or ceilings.

s2,

There is a smoke classification of either **s1, s2** or **s3**.

s1 represents the highest level of performance, **s3** represents the lowest level of performance.

d0

There is a classification for flaming droplets and particles during the tests of **d0** to **d2**.

d0 represents the highest level of performance, **d2** represents the lowest level of performance.



The Benefits of our Fire-Treated Timber Products:

- Without colour or odour.
- Remain effective for the lifetime of the cladding.
- Non-toxic and non-allergic; safe for humans and animals.
- Not broken down by water or humidity.
- The fire retardant penetrates the structure of the timber and does not require an additional protective finishing coat.

Certificates of compliance are available upon request once delivered to the site of each consignment of our fire-treated cladding.