

Flame retardant treated timber





Flame retardant treated timber that ages with elegance

Over the centuries, timber has been used in countless construction projects both indoors and outdoors. Today's rigorous fire protection requirements often limit the possibilities when it comes to creative expression. Södra offers a solution to this challenge with our C260 flame retardant treated timber.

Whether you're an architect, developer or contractor, Södra's C260 timber makes it easy to meet fire safety regulations. C260 makes it possible to use timber in almost any construction project.

PRODUCTS

The name C260 is a reference to the ignition temperature of wood. Our flame retardant treated timber is available in two forms:

- C260
- C260 Xterior

QUICK FACTS

- CE-certified in accordance with EN 14915: 2013 and Construction Products Regulation (EU) 305: 2011. (Ref. doc.: SC15-0260).
- Creates the optimal conditions for the wood's natural aging process.
- The flame retardant treatment chemical is applied using a high-pressure vacuum process.

C260

C260 is suitable for indoor and outdoor use. The flame retardant treated fluid is applied using a high-pressure vacuum process. When this fluid is exposed to fire, it releases carbon dioxide which suffocates the flames like a fire extinguisher. This feature makes C260 the best choice when aesthetics and safety are your top priorities.

In addition to having enhanced reaction to fire properties, treated wood products can also be used to produce sound absorbing properties, providing a calm and quiet indoor environment. C260 requires little maintenance and is available in a range of different sorts of wood plywood such as:

- Birch plywood
- Perforated plywood
- Spruce plywood



Interior sound-absorbing construction, flame retardant treated with C260.

Heat-treated pine, flame retardant treated with C260 Xterior to Vallastaden in Linköping.



C260 Xterior

C260 Xterior provides the same level of flame retardant protection as the C260, but the timber is given an additional weatherproofing according to EN16755, making it ideal for outdoor use without any further treatments. Flame retardant treatment fluid is embedded into wood fibres at a cellular level, so it can't be washed away by rain or harsh weather conditions.

The C260 Xterior flame retardant treatment can be applied to a wide range of different wood types without the need to apply topcoat. Now you can use woods such as cedar, larch or heat-treated pine to build fire resistant structures while preserving the natural grain of the wood.



Western red cedar to Ekvikens housing area in Mariefred.

Safe solutions with creative possibilities

No matter whether you use C260 or C260 Xterior, you will have the freedom to be creative with your building projects, with a wide range of applications such as:

- Cladding for walls and ceilings
- Sound-absorbing cladding
- Arenas and sports facilities
- Lecture halls and auditoriums
- Music venues and concert halls

Wood is a beautiful material that ages with elegance. Södra's flame retardant treatment can be applied to a number of attractive wood types such as:

- Western Red Cedar (WRC)
- Heat-treated timber
- Larch

Södra's flame retardant treated wood panels can be painted in any solid color. Painted panels are compliant with fire regulations for:

- Facade cladding
- Decorative elements
- Roofs and walls
- Balconies
- Construction work

Siberian larch, flame retardant treated with C260 Xterior to Rindö brygga at Ekerö.



Certified performance

Requirements regarding CE certification apply in all European countries without exception. Decision makers must comply with EU directives.

When acquiring, selling or using flame retardant treated timber, you must always use certified products. C260 is a class INT2 system and C260 Xterior is a class EXT system, both tested in accordance with EN16755.

WE OFFER:

- Declaration of Performance (DoP)
- Certificate of Constancy of Performance (SS-EN14915)
- Certificate of Constancy of Performance (SS-EN13986)
- Typeapproval SS-EN16755 INT1, INT2, EXT
- WPA Benchmark approved supplier
- Continuous third-party manufacturing control
- WQS system (In-House control)
- CO2 neutral sustainable manufacturing
- Enviromental management system ISO 14001
- Quality management system ISO 9001

CERTIFIED PERFORMANCE:

- SS-EN 13501-1
 - o Euroclass B-s1,d0 and B-s2,d0
- Façade cladding SP-Fire 105
- SS-EN16755, Durability of reaction to fire performance (INT2, EXT)
- 13501-2
 - o Covering K210/B-s1,d0 and K110/B-s1,d0

Glulam spruce panel, flame retardant treated with C260 Xterior to a Parking garage in Västerås.



Larch, flame retardant treated with
260 Xterior to Vallastaden in Linköping.

We make your vision a reality

Our knowledgeable project department can offer both technical and legal advice, as well as creative idea exchange and support.

We can process different types of timber, regardless of whether it's solid wood or plywood. We can cut or mill the wood according to your needs and areas of use, which makes it possible to design wood products for demanding environments. Södra has worked together with eminent architects to solve a number of challenging assignments such as creating flame retardant treated sound walls, for example.





Facts about Södra

Södra was founded in 1938 and is Sweden's largest collective of forest owners with over 52,000 members. We practice responsible forestry and run several modern, state-of-the-art facilities where we refine our raw material. In 2020, our net sales were SEK 5.4 billion and we employed 3,100 people. Through value-generating relationships and a long-term approach, Södra is leading the way for the next generation of forestry.