



## MAINTENANCE GUIDE FOR BURNBLOCK TREATED TIMBER AND WOOD PANELS

Burnblock FR treatment of timber is in principle a maintenance free treatment that protects the wood against spread of fire. The wood is treated with a high-pressure treatment that delivers the natural and non-toxic fire retardant to the cellular structure of the wood. For most wood species the treatment is a through and through treatment, and no after treatment is required for where the wood has been cut, drilled, planed or profiled.

**Test EN927-6** Burnblock treated timber has been tested for accelerated ageing/leaching according to EN927-6 (one of three test options in the new EN16755 standard) that uses both UV and an amount of water equivalent to more than 120 years of rainfall in a Scandinavian capital. The test shows the timber is maintaining Euro class B both before and after the ageing test, documented via ISO5660 tests. The results indicate that the effect of Burnblock diminishes at a rate equivalent to the degradative ageing and leaching of the wood itself.

**Durability Extension** Burnblock fire retardant is a PH neutral treatment that is compatible with most surface treatments; oil, paint, stain etc. Please note that any surface treatment can change the fire classification and must therefore be tested on Burnblock treated wood before fully approved for EN13501:2007 Class B.

**Natural Ability** Durability is one of the key performance factors used to assess the suitability of a timber species for a specific application. The durability rating of a species is based on the natural ability of the heartwood of that species to resist decay and insect pests (including termites).

### EXPECTED SERVICE LIFE FOR TIMBER ACCORDING TO EN350 - TREATED AND UNTREATED WITH BURNBLOCK

	CLASS 1	CLASS 2	CLASS 3	CLASS 4
Fully exposed	25 years	15-25 years	8-15 years	< 5 years
Partly exposed	50 years	30 years	15 years	8 years
Shielded from the elements	Over 50 years			

The durability class mentioned above is only valid for heartwood.  
Sapwood is in general considered durability class 5  
(not durable) according to EN 350.

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