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Assessment for “WOODSAFE Exterior WFX” according to EN 16755

This assessment is written on behalf of Woodsafe Timber Protection AB.

Woodsafe Timber Protection AB has tested solid wood paneling of Western Red Cedar (WRC), with thickness 17,5 mm, vacuum pressure impregnated with fire-retardant treatment WOODSAFE® Exterior WFX and with application rate 28 kg/m³ for accelerated weathering and fire testing, and with application rate 134 kg/m³ for Scots pine sapwood.

The tests performed has been hygroscopicity test according to EN 16755:2017, accelerated weathering Method B (with UV-lamps) according EN 16755:2017, fire testing initially and after accelerated weathering according to EN 13823:2010+A1:2014 (SBI method) and classification according to EN 16755:2017.

The results for Scots pine (*Pinus sylvestris*) sapwood according to hygroscopicity test is 22,9 % moisture content. The results for WRC according to hygroscopicity test is 24,6 % moisture content.

The result for WRC according to fire test in the SBI method initially and after accelerated weathering is the same fire class B.

The requirements according to EN 16755:2017 are:

Moisture content < 28%

At least the same classification level as initially shall be reached

This gives that the product “WOODSAFE® Exterior WFX” fulfils the requirements for DRF Class INT1, INT2 and EXT in EN 16755:2017 for all wood species.

RISE Research Institutes of Sweden AB **Building Technology - Wood Building Technology**

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