

## Surface Burning Characteristics of Nordic Products

This technical note provides information on the surface burning characteristics of Nordic Lam+ and Nordic X-Lam products, for raw material and with Sansin KP-12UVW undercoat.

### Nordic Lam+

Nordic Lam+ structural glued laminated timber (glulam) is made from Spruce-Pine-Fir species (mainly Black Spruce). The product has been tested in accordance with ASTM E84-22, *Standard Method of Test for Surface Burning Characteristics of Building Materials*. The test results are shown below.

Nordic Lam+, minimum 86 mm (3-3/8 in.), raw material

- Flame Spread Index: 15, Class A (0 – 25)
- Smoke Developed Index: 25, Class A (0 – 450)
- Reference: [APA Product Report PR-L294](#), Section 5
- Test Report: Element, No. 22-002-308(A)

Nordic Lam+, minimum 86 mm (3-3/8 in.) with Sansin KP-12UVW

- Flame Spread Index: 20, Class A (0 – 25)
- Smoke Developed Index: 35, Class A (0 – 450)
- Test Report: Element, No. 22-002-198(C1)

### Nordic X-Lam

Nordic X-Lam cross-laminated timber (CLT) is made from Spruce-Pine-Fir species. The product has been tested in accordance with ASTM E84-22, *Standard Method of Test for Surface Burning Characteristics of Building Materials*. The test results are shown below.

Nordic X-Lam, minimum 89 mm (3-1/2 in.), raw material

- Flame Spread Index: 15, Class A (0 – 25)
- Smoke Developed Index: 40, Class A (0 – 450)
- Reference: [APA Product Report PR-L306](#), Section 5
- Test Report: Element, No. 21-002-495(E2)(Revision 1)

Nordic X-Lam, minimum 89 mm (3-1/2 in.) with Sansin KP-12UVW

- Flame Spread Index: 20, Class A (0 – 25)
- Smoke Developed Index: 65, Class A (0 – 450)
- Test Report: Element, No. 21-002-495(F2)(Revision 1)

### ----- Test Reports:

- Element, Test Report No. 22-002-308(A), ASTM E84 Testing of “Nordic Lam (86 mm)”
- Element, Test Report No. 22-002-198(C1), ASTM E84 Testing of “Nordic Lam (86 mm) + Sansin KP-12UVW”
- Element, Test Report No. 21-002-495(E2)(Revision 1), ASTM E84 Testing of “Nordic X-Lam”
- Element, Test Report No. 21-002-495(F2)(Revision 1), ASTM E84 Testing of “Nordic X-Lam + Sansin KP-12UVW”