NORDIC
STRUCTURES

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 CAN/ULC-S102:2018, *Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies*. The test results are shown below.

Nordic Lam+, minimum 86 mm (3-3/8 in.), raw material
- Flame-Spread Rating: 20, Class A (0 – 25)
- Smoke-Developed Classification: 25, Class A (0 – 450)
- Reference: APA Product Report PR-L294C, Section 5
- Test Report: Element, No. 22-002-308(B)

Nordic Lam+, minimum 86 mm (3-3/8 in.) with Sansin KP-12UVW
- Flame-Spread Rating: 30, Class B (26 – 75)
- Smoke-Developed Classification: 30, Class A (0 – 450)
- Test Report: Element, No. 23-002-431(A)

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 CAN/ULC-S102:2018, *Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies*. The test results are shown below.

Nordic X-Lam, minimum 89 mm (3-1/2 in.), raw material
- Flame-Spread Rating: 25, Class A (0 – 25)
- Smoke-Developed Classification: 25, Class A (0 – 450)
- Reference: APA Product Report PR-L306C, Section 5
- Test Report: Element, No. 21-002-495(E1) (Revision 1)

Nordic X-Lam, minimum 89 mm (3-1/2 in.) with Sansin KP-12UVW
- Flame-Spread Rating: 35, Class B (26 – 75)
- Smoke-Developed Classification: 55, Class A (0 – 450)
- Test Report: Element, No. 23-002-431(B)

Test Reports:
- Element, Test Report No. 22-002-308(B), CAN/ULC-S102 Testing of “Nordic Lam (86 mm)”
- Element, Test Report No. 23-002-431(A), CAN/ULC-S102 Testing of “Nordic Lam (86 mm) + Sansin KP-12UVW”
- Element, Test Report No. 21-002-495(E1) (Revision 1), CAN/ULC-S102 Testing of “Nordic X-Lam”
- Element, Test Report No. 23-002-431(B), CAN/ULC-S102 Testing of “Nordic X-Lam + Sansin KP-12UVW”