

Fire Code Compliance

NELPLAS® Protective Wallcovering is a fire-retardant, acrylic/PVC sheet with excellent cleanability and impact resistance. **NELPLAS** Protective Wallcovering is ideal for institutional applications because of its compliance with the national fire codes for building interiors and is available in two formulations providing Class I/A fire code compliance in gauges up to and including .125". Standard inventory items (.028", .040", and .060") are produced as Class I/A items. When requirements call for a Class I/A material in .080", .093", or .125" thicknesses, **NELPLAS** 600 can be specified. Refer to charts below and on the following page for details on test results.

Fire code compliance is based on the results of the "Steiner Tunnel Test (ASTM-E84)." The parameters tested include "flame spread" and "smoke generated" by a product when it burns. To meet Class I/A fire code, an interior finish must have a flame spread of 25 or less and a maximum smoke developed rating of 450. Class II/B requires a flame spread of 26 to 75 and a smoke generated of 450 or less.

Fire code compliance involves using the tested adhesive. For .028", .040", and .060" gauges there are four adhesives that can be used to obtain a Class I/A fire rating: 3M Fastbond 30, Hi-Stik Advantage, Super-Tek XT-2000, and Dap Weldwood Nonflammable (see **NELPLAS** Protective Wallcovering Installation Manual). Thick-gauge **NELPLAS** 600 (.080", .093", and .125") must be installed with 3M Fastbond 30 to ensure compliance with the Class I/A fire rating.

All **NELPLAS** Handrails, Crash Rails, Bumper Guards, and Corner Guards meet the criteria for Class I/A as outlined in the ASTM E-84 test.

COMPLIANCE CHART ASTM E-84

Gauge	.028"	.040"	.060"	.080"	.093"	.125"
Nelplas 500	Class I/A n	Class I/A n	Class I/A n	Class II/B n	Class II/B n	Not rated
Nelplas 600	N/A	N/A	N/A	Class I/A n	Class I/A n	Class I/A n

n Signifies that any one of the four recommended adhesives may be used to meet the criteria for the indicated classification.

n Signifies that only 3M Fastbond 30 may be used to meet the criteria for the indicated classification.



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