

GUIDE TO FIRE-RATED MATERIAL

LAMIN-ART HIGH-PRESSURE DECORATIVE LAMINATE AND VENEER-ART HIGH-PERFORMANCE WOOD VENEER

Lamin-Art’s standard lines of high-pressure decorative laminate and Veneer-Art High-Performance Wood Veneer are classified Class II as determined by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM E 84, Standard Test Method For Surface Burning Characteristics of Building Materials). This procedure is also designated by other agencies as:

- UL 723** Underwriters Laboratories, Inc.
- ANSI 2.5** American National Standards Institute
- NFPA 255** National Fire Protection Agency
- UBC 42-1** Uniform Building Code
- CAN/ULC 5102-M** Surface Burning Characteristics
- MEA #382-07-M** New York City Department of Buildings, Materials & Equipment Acceptance

Lamin-Art high-pressure decorative laminate is tested unbonded and bonded to inorganic reinforced cement board with Borden Chemical RS-224 adhesive in accordance with instructions accompanying the adhesive. Burning characteristics can be greatly influenced by the adhesive and substrate that is utilized. Veneer-Art High-Performance Wood Veneer is tested unbonded.

Fire-Rated (Class I) material is available as a special order item and recommended for interior applications where the decorative surface must resist combustion and inhibit smoke production. Special additives are incorporated into the sheet to impart fire-retardant properties. Fire-Rated laminate and Veneer-Art are appropriate for public places where strict fire codes may apply such as airports, hotels, office buildings, schools, and hospitals.

The following table shows the Flame Spread and Smoke Development values of regularly stocked HPL (Class II) and Fire-Rated (Class I) laminate, as well as Fire-Rated Veneer-Art (Class I) as listed in U.L. Fire Rating Classification; Guide BSMV, R 5457 Laminated Plastic, March 13, 2001. **An extended lead time may apply when ordering Fire-Rated laminate.** Our Abacá (8000 series) collection is not available in Fire-Rated laminate. **Veneer-Art is manufactured for Lamin-Art in Europe, therefore, a minimum order and 6 to 8 week lead time may apply for Fire-Rated Veneer-Art.**

		STANDARD GRADE (GP48)		VERTICAL GRADE (GP28)	
		FLAME SPREAD	SMOKE DEVELOPMENT	FLAME SPREAD	FLAME SPREAD
REGULAR STOCK HPL CLASS II	UNBONDED	40	130	30	145
	BONDED	25	40	15	25
	ABACA (8000 SERIES)	100	265	N/A	N/A
FIRE-RATED HPL CLASS I	UNBONDED	15	125	10	150
	BONDED	15	20	0	30
	ABACA (8000 SERIES)	N/A	N/A	N/A	N/A
		STANDARD GRADE (GP48)		VERTICAL GRADE (GP28)	
		FLAME SPREAD	SMOKE DEVELOPMENT	FLAME SPREAD	SMOKE DEVELOPMENT
FIRE-RATED VENEER-ART CLASS I	UNBONDED	0	115	N/A	N/A

For more information on Class I Fire-Rated Lamin-Art HPL or Veneer-Art High-Performance Wood Veneer, including availability and lead time, contact our Customer Service Department at 800.323.7624.