



# Product Update

NOV 16, 2005

#P155F

Revision 00

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Applies to Flush doors

## **INTRODUCING VERTICAL GRADE HIGH PRESSURE DECORATIVE LAMINATE (HPDL) AS STANDARD**

Based on successful fire and endurance testing, VT Industries is now offering vertical grade high pressure decorative laminate (HPDL) for all our 5-ply door constructions and in lieu of 3-ply construction (Door Type 303).

Vertical grade standard HPDL with VTI 5-ply door construction meets all the same NEMA LD 3-2005 standard requirements that horizontal grade HPDL meets including, scratch, wear and ball impact resistance levels.

The NEMA LD 3 Ball Impact Test is based on an 8 oz., 1-1/2" diameter stainless steel ball dropped onto a 12" x 12" HPDL specimen adhered to a 45 lb., 3/4" particle board substrate. Three successful drops from the same height with no fractures to the HPDL are required to achieve a performance value. The minimum impact performance value for horizontal grade HPDL is 50" and 20" for vertical grade HPDL per NEMA LD 3.

VT Industries achieved an impact value of 79" with vertical grade standard HPDL adhered to 5-ply door construction (VT Door Type 404) using our standard 60 lb. high density composite cross band material.

Vertical grade standard HPDL is manufactured under the same temperature and pressure conditions as horizontal grade standard HPDL and is available in the same patterns and surface textures.

Advantages for using vertical grade HPDL with 5-ply door construction are:

- 5-ply construction for a 3-ply price
- 5-ply construction offers a more stable and durable product
- Less opportunity for natural telegraphing
- Better door edge appearance - more aesthetically pleasing with less of a black line
- Meets WDMA I.S. 1A-04 Industry Standards for Architectural Wood Flush Doors
- Approved for 20- to 90-minute fire doors, neutral and positive pressure

Horizontal grade HPDL will be provided when indicated or specified in the architectural door specification. VT, the leader in manufacturing architectural HPDL doors will actively pursue changing these specifications to vertical grade HPDL.