Architectural Wood Doors
VT INDUSTRIES

# TECHNICAL BULLETIN

APPLIES TO FLUSH DOORS

## SURFACE APPLIED (PLANT-ON) MOULDINGS

VT offers an assortment of surface applied (plant-on) mouldings. Refer to the Surface Applied Moulding document for profiles. Surface Applied Mouldings.pdf (vtindustries.com). Below covers how applied moulding is fastened to the door and restriction of applied moulding on fire rated doors, refer to fire rated tables within the document.

Nailed-On Applied Moulding:
The standard method for attaching applied moulding to the door with nails and/or adhesive. Where nails are required per the door construction or moulding dimensions. Nail holes will be treated as follows:

1. Factory Finished (clear, stained or painted) – Nail holes will be filled to match the finish
2. Factory Primed – Nail holes will be puttied but not primed
3. Doors shipped without finish – Nail holes will not be filled

Applied Moulding Over 3" Wide:
Due to machining limitations and the nature of wood, we will not guarantee the following on applied moulding over 3" in width:
1. Tight miter joints
2. The moulding lying flat on the door (gaps may exist between the face of the door and the moulding)

Tapered Moulding:
1. To avoid splitting the minimum thickness on tapered moulding is ¼"

Warranties on Doors With Applied Moulding One-Side:
VT Industries will warranty doors of all core types with applied moulding one-side if the following criteria are met (these limitations do not apply to SCL core doors):
1. Moulding is not over 3-1/2" wide
2. Covering no more than 25% of face
3. Fire rated doors must follow approvals

Exterior Doors:
Applied moulding will never be applied on the exposed face of exterior doors (no exceptions). Where other criteria are met, moulding is allowed on the interior face of exterior doors.

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Surface applied (plant-on) moulding may be applied to either or both faces of the door in accordance with the following from Intertek/Warnock Hersey's current fire door specification. Per NFPA-80, labeled doors (20-90-min) require the applied moulding to factory applied to maintain the label.

| FIRE RATING | CORE TYPE | MAX WIDTH | MAX THICKNESS | MOULDING DIMENSIONS & INFORMATION | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | MAX SURFACE AREA % | MARGIN TO EDGE OF DOOR | MARGIN TO HARDWARE / LITE CUTOUT | MOULDING BETWEEN MARGIN | DOOR TO MOULDING ATTACHMENTS & ADDITIONAL INFORMATION |
| NR | Particleboard (PC) / Structural Composite Lumber (SCLC) / Agrifiber Core (WSPC) | 2-1/2" | 7/8" | 25% | 1"* | 0* | 1" | • Adhesive and/or mechanical fasteners with a maximum penetration into the door of 3/4" spaced not more than 12" on center.<br>• Must be solid wood |
| 20-Min | Particleboard (PC) / Structural Composite Lumber (SCLC) | 1-3/4" | 7/8" | 20% | 3-1/2" | 4" | 3-1/2" | • Adhesive and/or mechanical fasteners with a maximum penetration into the door of 3/4" spaced not more than 12" on center<br>• Must be solid wood |
| 20-45-Min | Agrifiber Core (WSPC) | 2-1/2" | 7/8" | 20% | 3-1/4" | 3-1/4" | 3-1/4" | • Moulding shall be fastened using nails or adhesives<br>• Must be solid wood |
| 45-Min | Particleboard Core (PC) | 2-1/2" | 7/8" | 20% | 1" | 3-1/2" | 3-1/2" | • **May not overlap any hardware cutout**<br>• ·May be attached with mechanical fasteners, adhesive, or a combination of both<br>• Must be solid wood |
| 20-60-Min | Fire Composite (FD) | 2-1/2" | 7/8" | 20% | 5" | 5" | 5" | • Adhesive and/or mechanical fasteners with a maximum penetration of 3/4" into the door.<br>• Wood or plastic |

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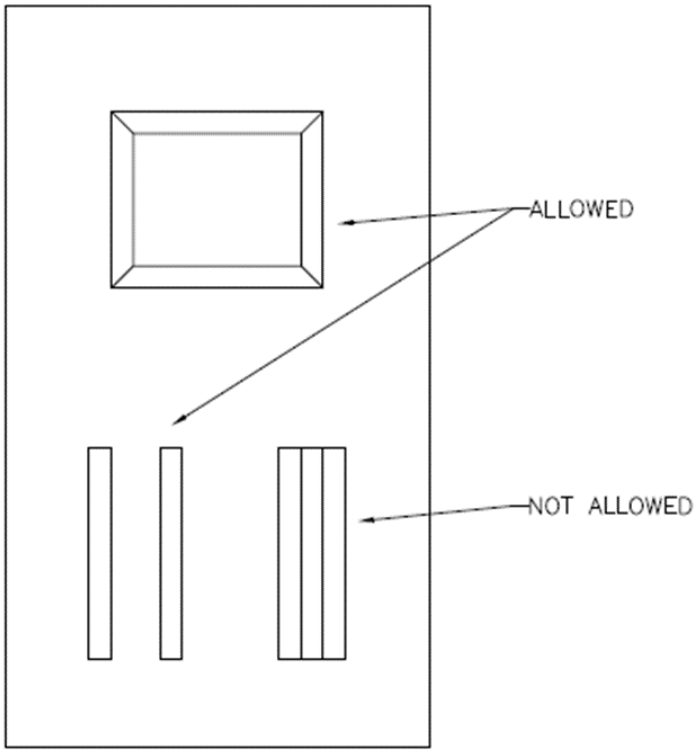
| FIRE RATING | CORE TYPE | MAX WIDTH | MAX THICKNESS | MOULDING DIMENSIONS & INFORMATION | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | MAX SURFACE AREA % | MARGIN TO EDGE OF DOOR | MARGIN TO HARDWARE / LITE CUTOUT | MOULDING BETWEEN MARGIN | DOOR TO MOULDING ATTACHMENTS & ADDITIONAL INFORMATION |
| 90-Min | Fire Composite (FD) | 2-1/2" | 7/8" | 20% | 5" | 5" | 5" | • Adhered with a listed and labeled fire rated adhesive - no mechanical fasteners may be applied<br>• Wood or plastic |

*VT not responsible for hardware conflicts with moulding, such as lever or trim interfering with hardware installation or operation.




PLANT—ONS



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