

### SURFACE APPLIED (PLANT ON) MOULDINGS

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VT offers an assortment of surface applied (plant-on) mouldings, refer to the [VT Standard Surface Applied Mouldings with Profile Drawings Technical Bulletin](#). 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:

- Factory Finished (clear, stained or painted) – Nail holes will be filled to match the finish
- Factory Primed – Nail holes will be puttied but not primed
- 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:

- Tight miter joints
- The moulding lying flat on the door (gaps may exist between the face of the door and the moulding)

#### **Tapered Moulding:**

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):

- Moulding is not over 3-1/2” wide
- Covering no more than 25% of face
- 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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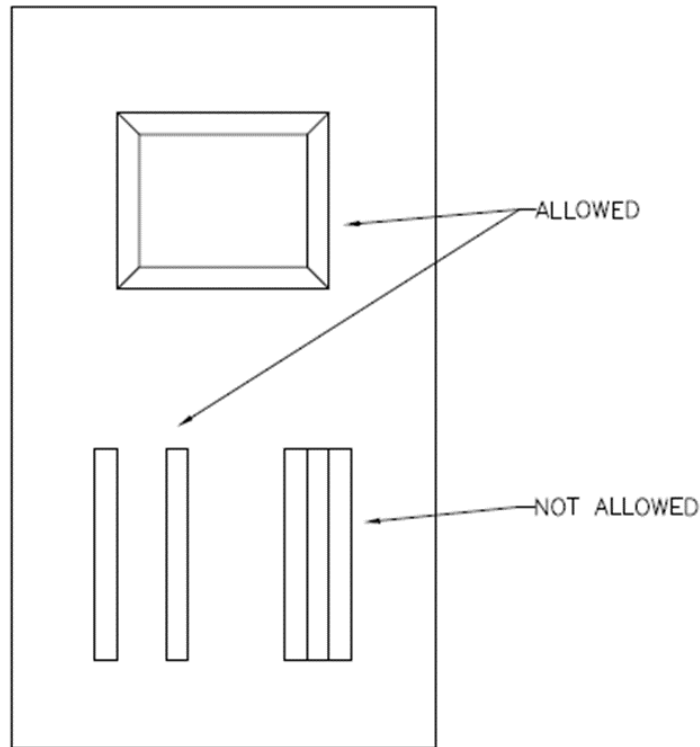
Surface applied (plant-on) moulding may be applied to either or both faces of the door in accordance with the following from Intertek/Warnock Hersey's current fire door specification. Per NFPA-80, labeled doors (20-90-min) require the applied moulding to factory applied to maintain the label.

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"	<ul style="list-style-type: none"> <li>Adhesive and/or mechanical fasteners with a maximum penetration into the door of 3/4" spaced not more than 12" on center.</li> <li>Must be solid wood</li> </ul>
20-Min	Particleboard (PC) / Structural Composite Lumber (SCLC)	1-3/4"	7/8"	20%	3-1/2"	4"	3-1/2"	<ul style="list-style-type: none"> <li>Adhesive and/or mechanical fasteners with a maximum penetration into the door of 3/4" spaced not more than 12" on center</li> <li>Must be solid wood</li> </ul>
20-45-Min	Agrifiber Core (WSPC)	2-1/2"	7/8"	20%	3-1/4"	3-1/4"	3-1/4"	<ul style="list-style-type: none"> <li>Moulding shall be fastened using nails or adhesives</li> <li>Must be solid wood</li> </ul>
45-Min	Particleboard Core (PC)	2-1/2"	7/8"	20%	1"	3-1/2"	3-1/2"	<ul style="list-style-type: none"> <li><b>May not overlap any hardware cutout</b></li> <li>May be attached with mechanical fasteners, adhesive, or a combination of both</li> <li>Must be solid wood</li> </ul>
20-60-Min	Fire Composite (FD)	2-1/2"	7/8"	20%	5"	5"	5"	<ul style="list-style-type: none"> <li>Adhesive and/or mechanical fasteners with a maximum penetration of 3/4" into the door.</li> <li>Wood or plastic</li> </ul>

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90-Min	Fire Composite (FD)	2-1/2"	7/8"	20%	5"	5"	5"	<ul style="list-style-type: none"> <li>Adhered with a listed and labeled fire rated adhesive - no mechanical fasteners may be applied</li> <li>Wood or plastic</li> </ul>

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



PLANT-ONS