



# Hollow Core Emerald™

## 1-3/8" Hollow Core Molded

### Non Fire Rated

### Interior Doors & Bifolds

Date: January 20, 2009

#### Part 1: GENERAL

**Scope:** Subject to local building codes, this product is intended for use in:

- Single family dwelling interior applications
- Multifamily dwelling, low-rise professional office, library and low-rise motel interior applications
- Lighter use industrial building and factory, hotel, and retail sales building interior applications.

**Product Description:** 1-3/8" side-hinged door systems manufactured by Masonite.  
- Door system components include: door panel (s), bifold panels, door frame, hinges.

#### Part 2: PRE-CONSUMER RECYCLED CONTENT

##### Standard Claim

Composite Wood Products used in the 1-3/8" Hollow Core Molded Emerald contain pre-consumer recycled content. (See Table 1 for percentage by weight for Pre-Consumer Recycled content for credit calculation)

##### USGBC - LEED NC v2.2

MR 4.1 & 4.2 Recycled Content - contributes to 2 points.

##### NAHB - National Green Building Program

604.1 - Recycled Content Building Materials 2-3 points: Masonite 1-3/8" Hollow Core Molded Emerald doors can contribute to the use of Recycled content in two minor components of the building.

1-3/8"		6/8	7/0	8/0
Doors	1/6	16%	16%	16%
	1/8	16%	16%	17%
	2/0	16%	16%	17%
	2/4	17%	17%	17%
	2/6	17%	17%	17%
	2/8	17%	17%	17%
	2/10	17%	17%	17%
	3/0	17%	17%	17%
Bifolds	2/0 & 4/0	14%	14%	15%
	2/6 & 5/0	14%	14%	15%
	3/0 & 6/0	15%	15%	16%

#### Part 3: INDOOR ENVIRONMENTAL QUALITY

##### Standard Claim

Passes Indoor Air Quality test requirements for door loading according to CA DHS Section 01350. Based on ASTM D 5116, "Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Materials/ Products" and incorporates the chamber testing portion of California Specification 01350.

##### NAHB - National Green Building Program

901.4 Indoor Environmental Quality - Pollutant Control - up to 3 points, Masonite 1-3/8" Hollow Core Emerald doors meet EPP Specification CPA 2-06 for formaldehyde emissions.

##### California Air Resources Board (CARB)

The California Air Resources Board passed a regulation called the Airborne Toxic Control Measure (ATCM) to Reduce Formaldehyde Emissions from Composite Wood Products (CWP). Hollow Core Emerald is manufactured with CARB components that are exempt, NAF, ULEF or better. (available 4/1/09)

#### Part 4: NO ADDED UREA-FORMALDEHYDE

##### Standard Claim

No Urea-Formaldehyde was added in the 1-3/8" Hollow Core Emerald manufacturing process. All adhesives and binders used are urea-formaldehyde free.

##### USGBC - LEED NC v2.2

EQ 4.4 No Added Urea-Formaldehyde in either wood composite or assembly adhesives - contributes to 1 point and does not disqualify the project from receiving this credit.

##### NAHB - National Green Building Program

901.4 Indoor Environmental Quality - Pollutant Control - up to 4 points, Masonite 1-3/8" Hollow Core Emerald doors do not contain added Urea-Formaldehyde.

#### Part 5: LOW EMISSIONS ADHESIVES & SEALANTS

##### Standard Claim

Adhesives used in the 1-3/8" Hollow Core Emerald assembly contain low levels of VOC (volatile organic compounds).

##### USGBC - LEED H

MR2.2 Environmentally Preferable Products - 1-3/8" Hollow Core Emerald can contribute to 0.5 points for use of low emissions from adhesives. Hollow Core Emerald doors are made with adhesives that meet the South Coast Air Quality Management District Rule #1168.

#### Part 6: RESOURCE EFFICIENT MATERIALS

##### Standard Claim

1-3/8" Hollow Core Molded Emerald doors are made with engineered & composite components, using less materials to meet the same end use requirements as conventional doors.

##### NAHB - National Green Building Program

607.1 Resource Efficient Materials - Masonite 1-3/8" Hollow Core Emerald can contribute up to 3 points and contains fewer materials to meet the same end use requirements as conventional solid wood doors.

The values on this sheet are for the Door Slab only. When considering a wood prehung assembly the door slab criteria % can be calculated by one of the following:

- 1) Confirm with prehanger the dollar value of the slab in the prehung unit and use this value with % content above.
- 2) Determine the weight or volume % of the slab in the prehung unit yourself and use this factor with the % content above.
- 3) Use estimate of 75% slab / 25% frame for volume factor or 55% slab / 45% frame for weight factor

Masonite developed this technical data sheet to be used as

documentation of the green attributes of the Hollow Core Emerald door for the Green Building Rating Systems.

Evaluations of the Green Certifications above are provided as a courtesy for Masonite customers, further confirmation should be completed on a project basis by consulting the certification guidelines or contacting an association representative for verification.

See Masonite Architectural Specifications for additional technical information [www.masonite.com/tech\\_architecturalSpecifications.php](http://www.masonite.com/tech_architecturalSpecifications.php)