



THE MPI GROUP, LLC

February 2012

Dear Customer,

Over the past few months we have been working to further develop MPI door product lines. A great deal of successful laboratory testing permits our doors and frames to now be certified as complying with various code requirements and product standards. This, along with enhanced manufacturing processes, allows us to offer improved products at competitive prices. We are very satisfied with the efforts of the door program and are proud to officially announce the results to our customers.

Additional testing is now being developed in an on-going process to provide continuous product line expansion. Further sound transmission testing and windstorm testing are just two of the areas on which we are working.

The following pages outline what has taken place so far. You will note that in some areas MPI is at the forefront in our industry by testing to the newest standards. Please review the information and do not hesitate to contact us if you have any questions. You may call for additional information or direct email inquires to Tom Stone (tstone@mpigroupllc.com) and pricing inquires to Sandy Allen (sallen@mpigroupllc.com).

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Door Products

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Severe Windstorm Rated Doors

MPI doors have been tested and approved for severe windstorm regions and comply with IBC and Florida Building Code requirements. Product Classification certified by Underwriters Laboratories, Inc under files R26604 for doors and R26612 for frames.

Design Pressure- +/-70 psf
Windspeed- 140 mph
Steel stiffened door construction
Single Opening
3'0x7'0 max
16 gauge min.- CR, A60, Stainless Steel (door and frame)
Hardware:
Cylindrical lock
Mortise lock (also mortise deadbolt and mortise exit device)
Rim exit device
Pair Opening
6'0x7'0 max
16 gauge min.- CR, A60, Stainless Steel (door and frame)
Hardware:
Cylindrical lock/Surface bolt
Mortise lock (also deadbolt and mortise exit device)/Surface bolt
Mortise lock (also deadbolt and mortise exit device)/Surface vertical rod
Rim exit device/Rim exit device/Hardware mullion
Concealed vertical rod/Concealed vertical rod
Surface vertical rod/Surface vertical rod

Test Method Compliance:

ANSI A250.13 *Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies*

ASTM E330-02 *Standard Test Method for Structural Performance of Exterior Windows, Doors Skylights and Curtain Walls by Uniform Static Air Pressure Difference.*

ASTM E1886-05 *Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.*

ASTM E1996-09 *Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Windborne Debris in Hurricanes, Missile D, Wind Zone 4.*

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Thermal Rated Doors

MPI is one of the first door companies to test to the new standard for measuring the thermal transmittance of door openings, ASTM C1199-09. Testing resulted in a wide range of doors being added to our portfolio of specialty doors. Products are available with U-factors ranging from 0.57 to 0.36. Steel stiffened, polystyrene and polyiso doors were included in the tests. Ratings are significantly better than those obtained from tests performed on aluminum and wood doors.

Thermal performance tests measure a door's thermal conductivity known as "U-Factor" and its inverse which is termed thermal resistance or R-Value. U-factors have units in the Inch-Pound system of BTUs per hour per square foot per degree (Fahrenheit) or Btu/hr-ft²-°F. R-values have the rather unintuitive units of: hr-ft²-°F/Btu. U-factor is based on measured heat flow through a sample at the temperature difference of the air on the indoor and outdoor sides. New test criteria provide realistic values and are representative of actual room conditions.

Test Method Compliance:

ASTM C1363-05 *Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus*

ASTM C1199-09 *Test Method for Measuring the Steady-State Thermal Transmittance of Fenestration Systems Using Hot Box Methods*

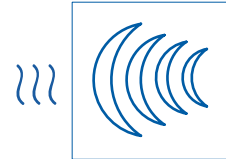
ASTM E1423-06 *Practice for Determining Steady State Thermal Transmittance of Fenestration Systems*

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Sound Control Doors

MPI is pleased to announce the successful completion of another round of product testing for sound control applications. MPI door and frame units have been tested for sound transmission loss in accordance with the latest and most comprehensive standards including ASTM E90-09 *Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements*.

Testing and Certification by nationally recognized independent testing laboratories.

Proprietary sound retardant core design

Single swing doors are available with ratings up to STC 52 per ASTM E413-10

May be used with standard heavy weight hinges

Various hardware options available

Operable package includes frame, seals and gasketing

All doors are 1³/₄" thick

STC 49 (operable)

STC 48 (operable)

STC 47 (operable)

STC 39 (operable)

STC 36 (operable)

STC 52 (fully sealed with hardware)

STC 51 (fully sealed with hardware)

Associated Test Methods:

ASTM E413-10 Classification for Rating Sound Insulation

ASTM E1332-10a Standard Classification for Rating Outdoor-Indoor Sound Attenuation

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Stainless Steel Doors

Whether selected for their superior corrosive protection or for aesthetic reasons, MPI Stainless Steel Doors provide a decorative as well as functional touch as they supplement other MPI doors. Products are available with UL fire ratings up to 3 hours for positive pressure. Sizes to 4'0" x 10'0" single and 8'0" x 10'0" double.

- Type 304 or 316
- Gauges 18, 16, 14
- Internal components are stainless steel
- Insulated steel stiffened or poly cores available
- Lights and louvers available with integral flush trim or applied trim
- Many hardware options available including pivots and exit devices
- Lockseam construction
- 1³/₄" thickness with other custom thicknesses available
- HMMA 866 construction

Stainless steel frames are available in custom designs, elevations and jamb depths. Welded corners standard, KD available when requested.

Usage Guide:

- | | |
|------------------------------------|--|
| Laboratory clean rooms | Agricultural and dairy processing |
| Hospital operating/isolation rooms | Building entrances exposed to de-icing |
| Swimming pool areas | Chemical storage facilities |
| Veterinary clinics | Decorative entrances |
| Sewage treatment facilities | Water purification facilities |

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