

# 12 Architectural 5-Ply Specification

## Technical Manual

June, 2011

**Graham**<sup>®</sup>  
wood doors

**ASSA ABLOY**

ASSA ABLOY, the global leader  
in door opening solutions

### GPD-FD 45

5-Ply Fire Core  
WDMA/AWS Extra Heavy Duty  
FD-5

#### Construction

##### Horizontal Edges:

- Top and bottom rails - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core
- No additional blocking required for thru bolted closers
- Optional closer & lock block available

##### Vertical Edges:

- Matching vertical edges - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core

##### Core:

- Fire Resistant Composite Core per Graham Label Service Listing
- Contains no added Urea-formaldehyde

##### Fire Rating:

- 45 minute fire rating
- 250 degree temperature rise
- Meets UL 10b (neutral pressure) and UL 10c (positive pressure) Category "B" requirements
- Option to UL 10c (positive pressure) Category "A"

##### Adhesive:

- Doors constructed using Type I adhesives which contain no added Urea-formaldehyde

##### Construction Grade:

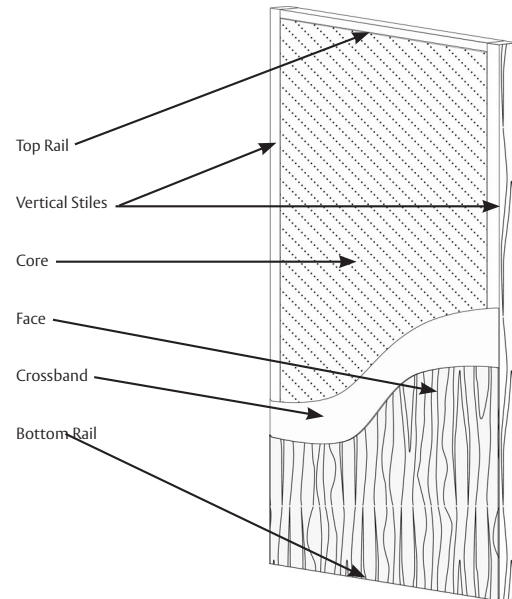
- Performance: WDMA/AWS - Extra Heavy Duty\*
- Aesthetic: WDMA - Premium Grade

##### Face Veneer:

- Available in a wide variety of vertical & horizontal grain wood species, Sketch Face, Medium Density Overlay (MDO), and Primed Hardboard
- WDMA/AWS "A" Grade, Book and Running Match, standard
- Slip, Balance, and Center Balance Match available upon request
- WDMA/AWS "AA" Grade available upon request

##### Crossband:

- 1/16" (1.6 mm) minimum high density engineered wood composite
- Optional with no added Urea-formaldehyde



##### Finish:

- UV cured factory finish meets or exceeds WDMA TR-6 and Architectural Woodwork Standards (AWS) First Edition - System #9
- Available in 28 standard colors and custom color match
- Available with MicroShield<sup>®</sup> Antimicrobial finish

##### Certifications and Sustainability:

- Optional LEED 3.0 credits available\*\*
  - MR 7 - FSC Certified Wood
  - IEQ 4.4 - Low-emitting Materials
- California Air Resources Board (CARB)
- GreenGuard - Indoor Air Quality & Children in Schools
- Collaborative for High Performance Schools (CHPS)

Lifetime Warranty

\*Optional blocking required to meet Extra heavy Duty face screw holding standards.

\*\*See graham LEED Documentation

## GPD-FD 60

5-Ply Fire Core  
WDMA/AWS Extra Heavy Duty  
FD-5

### Construction

#### Horizontal Edges:

- Top and bottom rails - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core
- No additional blocking required for thru bolted closers
- Optional closer & lock block available

#### Vertical Edges:

- Matching vertical edges - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core

#### Core:

- Fire Resistant Composite Core per Graham Label Service Listing
- Contains no added Urea-formaldehyde

#### Fire Rating:

- 60 minute fire rating
- 250 degree temperature rise
- Meets UL 10b (neutral pressure) and UL 10c (positive pressure) Category "B" requirements
- Option to UL 10c (positive pressure) Category "A"

#### Adhesive:

- Doors constructed using Type I adhesives which contain no added Urea-formaldehyde

#### Construction Grade:

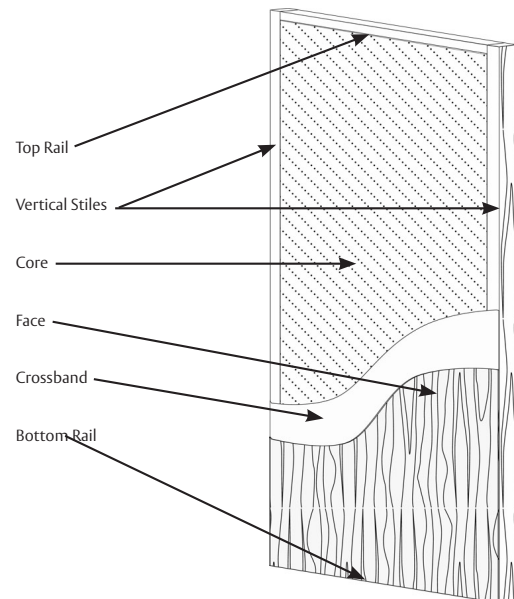
- Performance: WDMA/AWS - Extra Heavy Duty\*
- Aesthetic: WDMA - Premium Grade

#### Face Veneer:

- Available in a wide variety of vertical & horizontal grain wood species, Sketch Face, Medium Density Overlay (MDO), and Primed Hardboard
- WDMA/AWS "A" Grade, Book and Running Match, standard
- Slip, Balance, and Center Balance Match available upon request
- WDMA/AWS "AA" Grade available upon request

#### Crossband:

- 1/16" (1.6 mm) minimum high density engineered wood composite
- Optional with no added Urea-formaldehyde



#### Finish:

- UV cured factory finish meets or exceeds WDMA TR-6 and Architectural Woodwork Standards (AWS) First Edition - System #9
- Available in 28 standard colors and custom color match
- Available with MicroShield® Antimicrobial finish

#### Certifications and Sustainability:

- Optional LEED 3.0 credits available\*\*
  - MR 7 - FSC Certified Wood
  - IEQ 4.4 - Low-emitting Materials
- California Air Resources Board (CARB)
- GreenGuard - Indoor Air Quality & Children in Schools
- Collaborative for High Performance Schools (CHPS)

Lifetime Warranty

\*Optional blocking required to meet Extra heavy Duty face screw holding standards.

\*\*See graham LEED Documentation

# 14 Architectural 5-Ply Specification

## Technical Manual

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### GPD-FD 90

5-Ply Fire Core  
WDMA/AWS Extra Heavy Duty  
FD-5

#### Construction

##### Horizontal Edges:

- Top and bottom rails - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core
- No additional blocking required for thru bolted closers
- Optional closer & lock block available

##### Vertical Edges:

- Matching vertical edges - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core

##### Core:

- Fire Resistant Composite Core per Graham Label Service Listing
- Contains no added Urea-formaldehyde

##### Fire Rating:

- 90 minute fire rating
- 250 degree temperature rise
- Meets UL 10b (neutral pressure) and UL 10c (positive pressure) Category "B" requirements
- Option to UL 10c (positive pressure) Category "A"

##### Adhesive:

- Doors constructed using Type I adhesives which contain no added Urea-formaldehyde

##### Construction Grade:

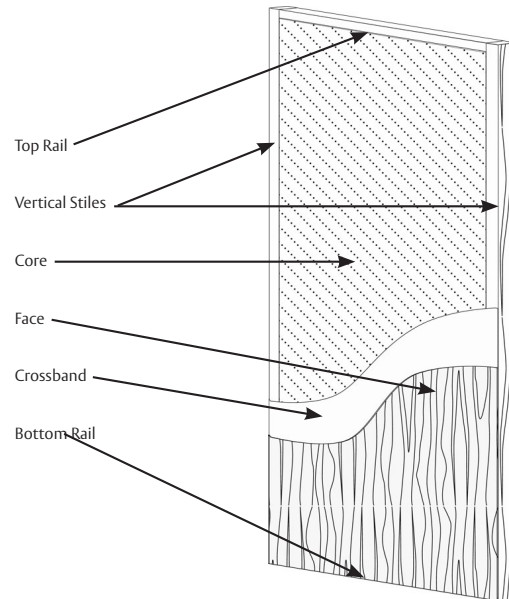
- Performance: WDMA/AWS - Extra Heavy Duty\*
- Aesthetic: WDMA - Premium Grade

##### Face Veneer:

- Available in a wide variety of vertical & horizontal grain wood species, Sketch Face, Medium Density Overlay (MDO), and Primed Hardboard
- WDMA/AWS "A" Grade, Book and Running Match, standard
- Slip, Balance, and Center Balance Match available upon request
- WDMA/AWS "AA" Grade available upon request

##### Crossband:

- 1/16" (1.6 mm) minimum high density engineered wood composite
- Optional with no added Urea-formaldehyde



##### Finish:

- UV cured factory finish meets or exceeds WDMA TR-6 and Architectural Woodwork Standards (AWS) First Edition - System #9
- Available in 28 standard colors and custom color match
- Available with MicroShield<sup>®</sup> Antimicrobial finish

##### Certifications and Sustainability:

- Optional LEED 3.0 credits available\*\*
  - MR 7 - FSC Certified Wood
  - IEQ 4.4 - Low-emitting Materials
- California Air Resources Board (CARB)
- GreenGuard - Indoor Air Quality & Children in Schools
- Collaborative for High Performance Schools (CHPS)

Lifetime Warranty

\*Optional blocking required to meet Extra heavy Duty face screw holding standards.

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