

GLASS OPTIONS

Hyperlinked Index



SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD

UL752 Level 1

SWD 001 AG
SWD 1000
SWD UL1

UL752 Level 2

SWD 002
SWD 002 AG
SWD 002 LS

UL752 Level 3

SWD 003
SWD 003 AG
SWD 003 LS
SWD 003 LS IG HC Low-E
SWD 3000
SWD 3500

UL752 Level 4

SWD 004
SWD 004 AG
SWD 004 LS

UL752 Level 5

SWD 005
SWD 005 LS
SWD 005 MH

UL752 Level 6

SWD 3000

UL752 Level 7

SWD 007

UL752 Level 8

SWD UL8

UL752 Level 9

SWD 008 AP

UL752 Level 10

SWD 50 CAL BALL

SECURITY GLASS CLAD

9/16" Hurricane Glass (UL972)

9/16" Laminated (UL972)

Assault Glass

Student Shield

GCP 375

GCP 450

GCP 530

GCP 600

GCP 625

GCP 725

GCP 750 (UL Level 1)

GCP 800

GCP 875

GCP 960

GCP 1000

GCP 1250 (UL Level 3)

KEY

AG - All Glass

AP - All Polycarbonate

BR - Bullet Resistant

LS - Low Spall

MH - Multiple Hits

LAMINATED POLYCARBONATE

LP 375

LP 500

LP 750

LP 750 BR (UL Level 1)

LP 1000 (UL Level 2)

LP 1250 (UL Level 3)

LP 1250 A (UL Level 3)

LP 1250 BR (UL Level 3)

BALLISTIC GLASS CLAD Other

SWD 50 CAL AP

SWD 005 MH LS (HP White 7.62 Nato)

SWD 008 AG (HP White 7.62 Nato)

SWD 008 LS (NIJ Level 4, HP White 7.62 Nato)

ACRYLIC

Acryshield (UL Level 1)

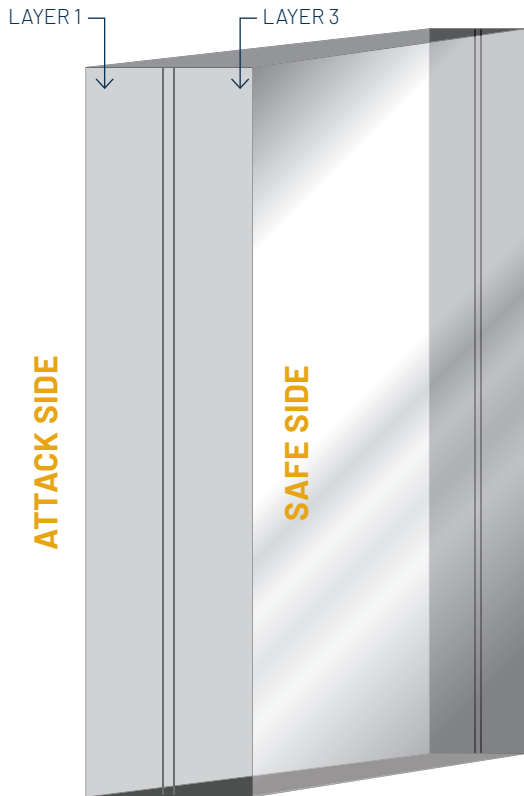
Acryshield (UL Level 3)



SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

9/16" HURRICANE GLASS



PRODUCT MAKEUP

- Layer 1: 1/4" Glass
- Layer 2: .09 Saflex PVB
- Layer 3: 1/4" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Laminated Safety Glass
- UL 972 Burglary Resistant Glazing
- Nominal Thickness: .5625"
- Nominal Weight: 6.5 lbs/ square foot
- Light Transmission: 89%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
 ASTM C 1036 Standard Specification for Flat Glass
 ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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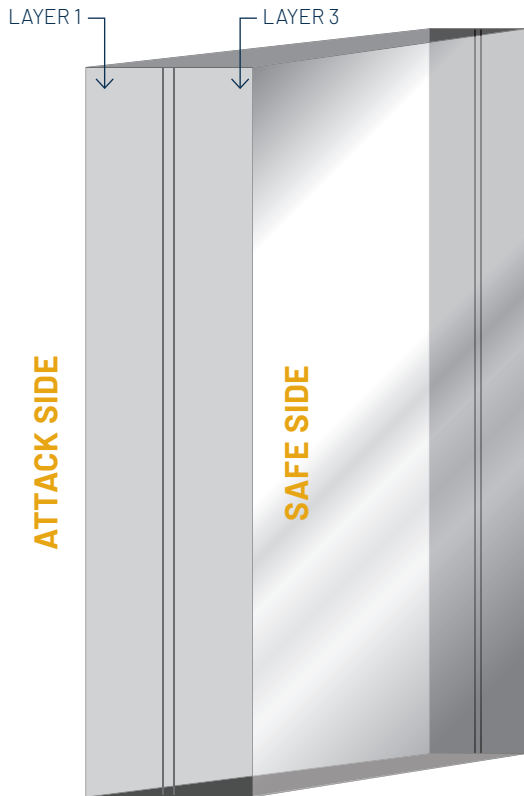
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

9/16" LAMINATED



PRODUCT MAKEUP

- Layer 1: 1/4" Tempered Glass
- Layer 2: .06 PVB
- Layer 3: 1/4" Tempered Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Laminated Safety Glass
- UL 972 Burglary Resistant Glazing
- Nominal Thickness: .5625"
- Nominal Weight: 6.83 lbs/ square foot
- Light Transmission: 85%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

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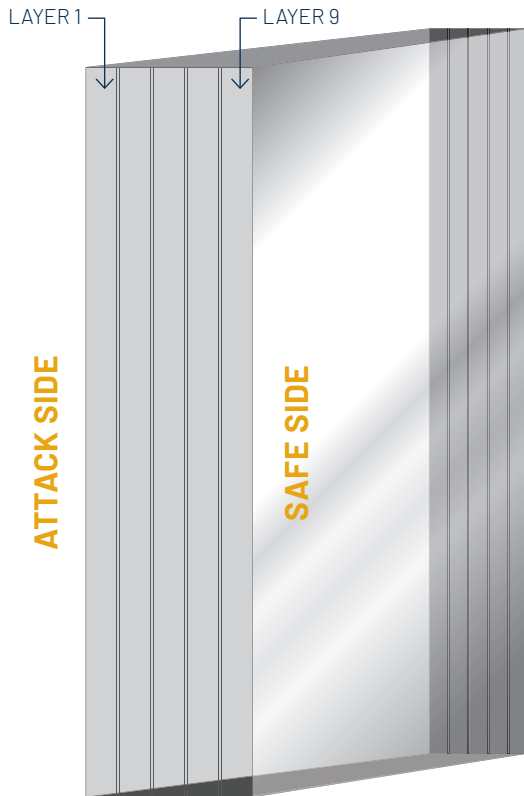


SAFEWOOD
DESIGNS

SECURITY GLASS

CLAD LAMINATE

ASSAULT GLASS



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .03 PVB
- Layer 3: 1/8" Heat Strengthened Glass
- Layer 4: .03 PVB
- Layer 5: 1/8" Heat Strengthened Glass
- Layer 6: .03 PVB
- Layer 7: 1/8" Heat Strengthened Glass
- Layer 8: .03 PVB
- Layer 9: 1/8" Heat Strengthened Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Nominal Thickness: .75"
- Nominal Weight: 9 lbs/ square foot
- Light Transmission: 74%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

- ANSI Z97.1-1984 Safety Glazing Materials for Buildings
- ASTM C 1036 Standard Specification for Flat Glass
- ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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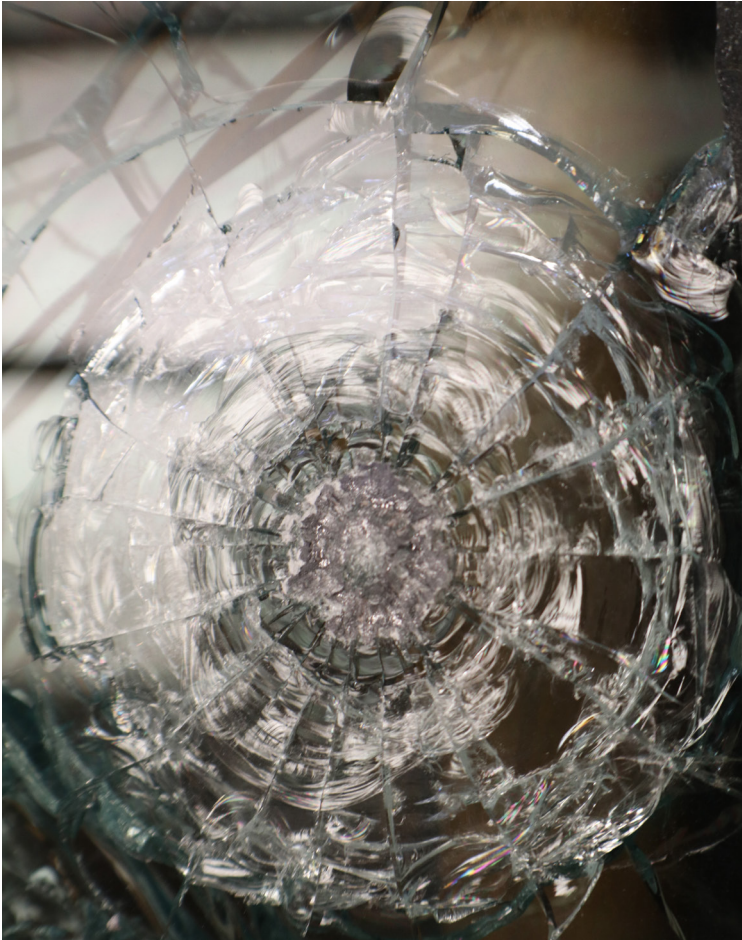


SAFEWOOD
DESIGNS

SECURITY GLASS

STUDENT SHIELD

STUDENT SHIELD 1/2"



PRODUCT

Laminated safety glass constructed of proprietary transparent materials. STUDENTSHIELD security glazing is designed to withstand extensive physical attack (H.P. White 0500.02 Level 1) from 25 impacts from a sludge hammer and offers ballistic protection from small handguns (H.P. White Level A ballistics). STUDENTSHIELD complies with standard safety glazing codes for all interior and exterior applications.

OPTIONS

Tinted Glass (Gray, Bronze, Green, Blue)
Reflective Glass, One-way Mirror
Translucent, White Interlayer (Frosted Glass)
Wire Glass; Insulating Units; Low E
*More Option Available
Size and Thickness may not be available for every option

INTERIOR TECHNICAL DETAILS

- HP White TP-0500.02 Level 1
- White Level A Ballistics
- Nominal Thickness: .5"
- Nominal Weight: 4.7 lbs/ square foot
- Light Transmission: 87%

EXTERIOR TECHNICALS

Weight: 7.5 lbs/sq ft
Thickness: 1"
Light Transmittance 73%
U Value: .33
Shading Co. .77



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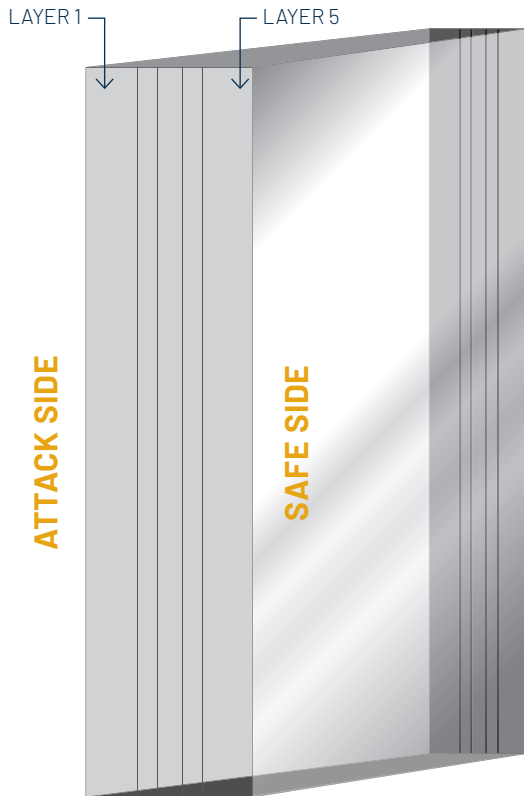
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 375 3/8"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 1/16" Polycarbonate
- Layer 4: .05 Urethane
- Layer 5: 1/8" Heat Strengthened Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 1
- Nominal Thickness: .375"
- Nominal Weight: 4 lbs/ square foot
- Light Transmission: 86%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

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 ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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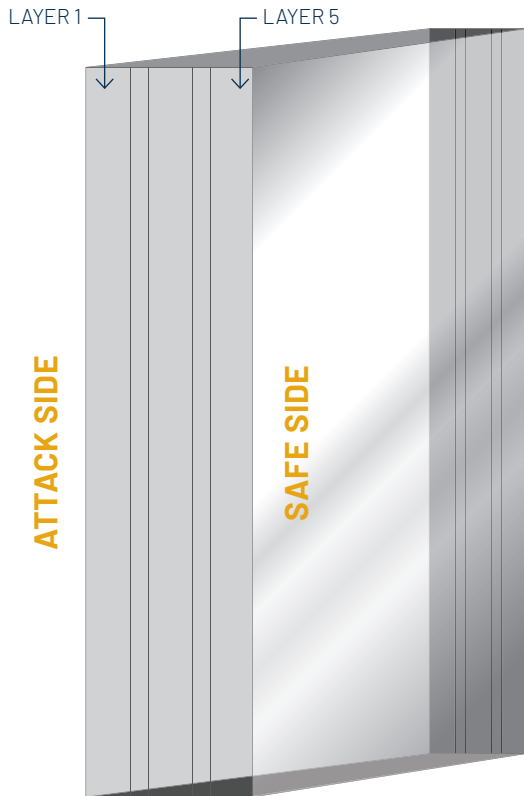
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 450 7/16"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 1/8" Polycarbonate
- Layer 4: .05 Urethane
- Layer 5: 1/8" Heat Strengthened Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 1
- HP White Level A Ballistics - 38 Special
- Nominal Thickness: .45"
- Nominal Weight: 4.4 lbs/ square foot
- Light Transmission: 86%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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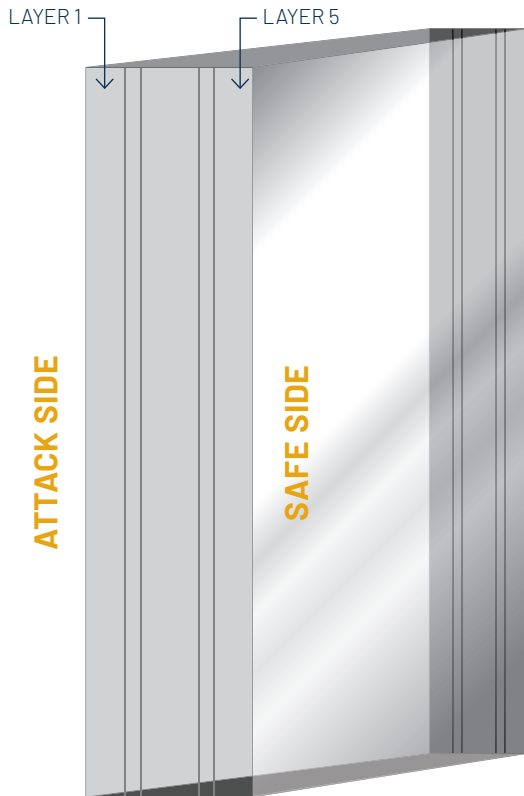
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 530 1/2"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 3/16" Polycarbonate
- Layer 4: .05 Urethane
- Layer 5: 1/8" Heat Strengthened Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 1
- HP White Level A Ballistics - 38 Special
- Nominal Thickness: .53"
- Nominal Weight: 4.79 lbs/ square foot
- Light Transmission: 86%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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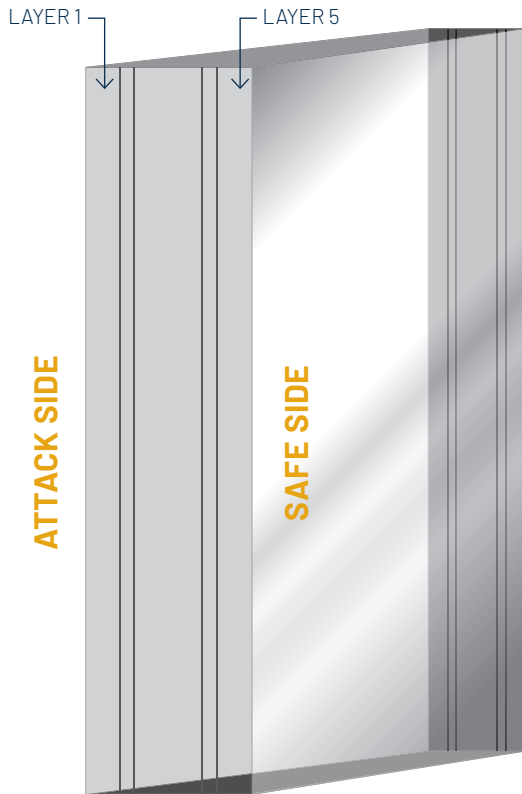
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 600 9/16"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 1/4" Polycarbonate
- Layer 4: .05 Urethane
- Layer 5: 1/8" Heat Strengthened Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 1
- HP White Level A Ballistics - 38 Special
- Nominal Thickness: .6"
- Nominal Weight: 5.18 lbs/ square foot
- Light Transmission: 85%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

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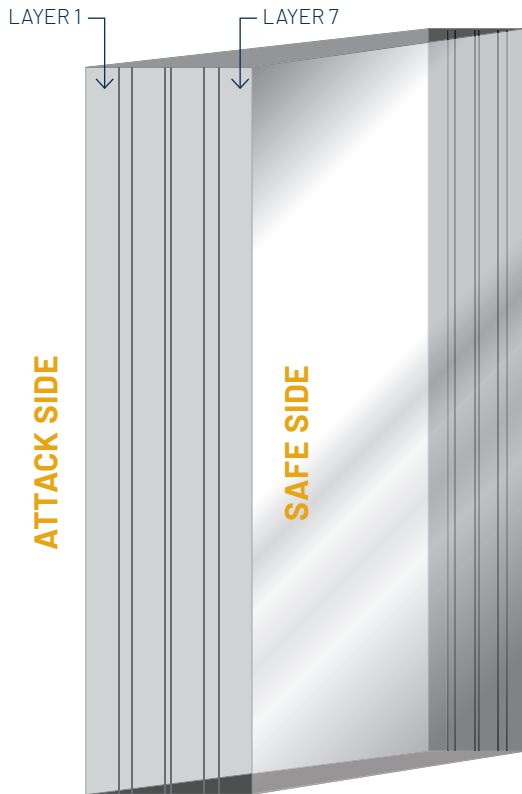
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 625 5/8"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 1/8" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 1/8" Polycarbonate
- Layer 6: .05 Urethane
- Layer 7: 1/8" Heat Strengthened Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 1
- HP White Level B Ballistics
- Nominal Thickness: .625"
- Nominal Weight: 5.28 lbs/ square foot
- Light Transmission: 85%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
 ASTM C 1036 Standard Specification for Flat Glass
 ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 725 11/16"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 3/8" Polycarbonate
- Layer 4: .05 Urethane
- Layer 5: 1/8" Heat Strengthened Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 1
- HP White Level B Ballistics
- Nominal Thickness: .725"
- Nominal Weight: 5.96 lbs/ square foot
- Light Transmission: 84%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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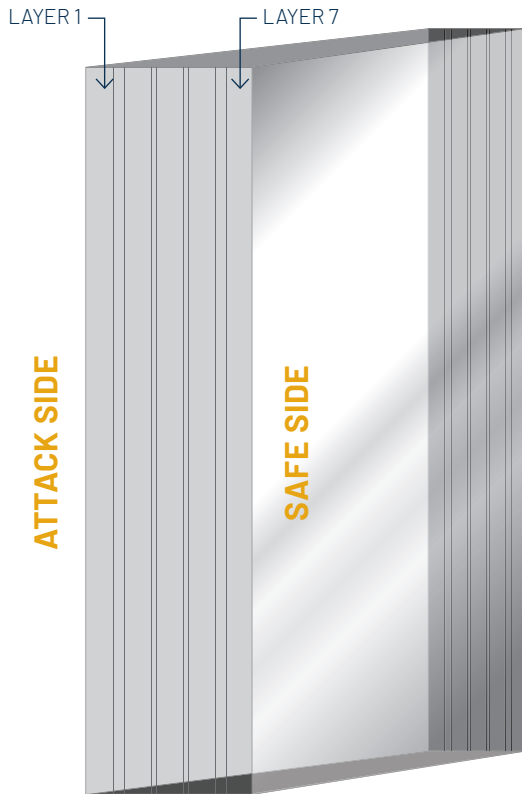
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 750 3/4"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 3/16" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 3/16" Polycarbonate
- Layer 6: .05 Urethane
- Layer 7: 1/8" Heat Strengthened Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 2
- HP White Level B Ballistics
- Ballistic UL 752 Level 1
- WMFL Level 3; ASTM F-1915-03 Level 3
- Nominal Thickness: .736"
- Nominal Weight: 6.06 lbs/ square foot
- Light Transmission: 84%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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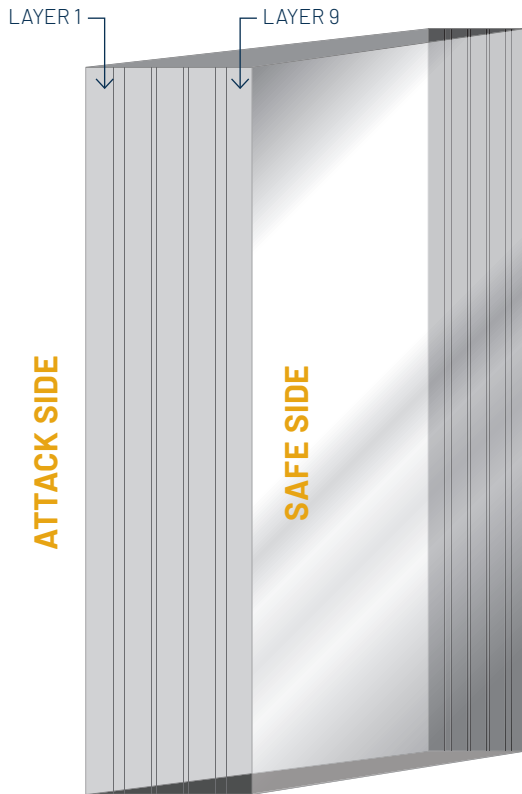
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 800 13/16"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 1/8" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 1/8" Polycarbonate
- Layer 6: .05 Urethane
- Layer 7: 1/8" Polycarbonate
- Layer 8: .05 Urethane
- Layer 9: 1/8" Heat Strengthened Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 2
- HP White Level B Ballistics
- WMFL Level 3
- Nominal Thickness: .775"
- Nominal Weight: 6.3 lbs/ square foot
- Light Transmission: 84%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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 ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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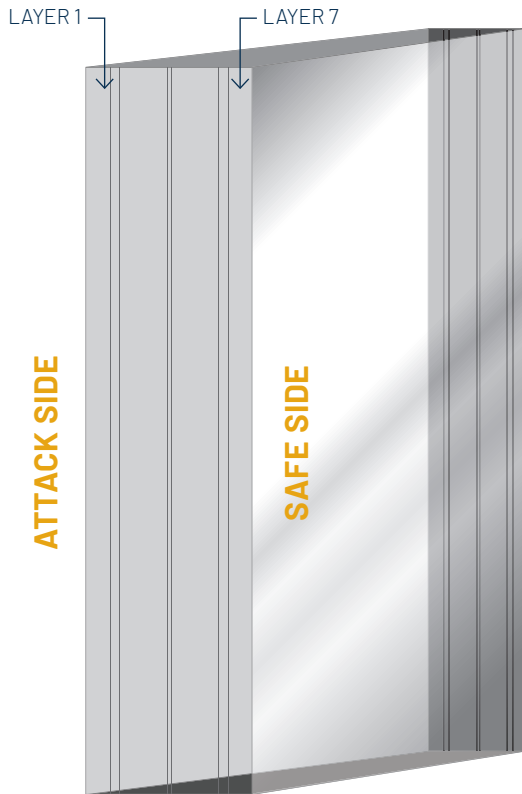
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 875 7/8"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 1/4" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 1/4" Polycarbonate
- Layer 6: .05 Urethane
- Layer 7: 1/8" Heat Strengthened Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 2
- HP White Level B Ballistics
- WMFL Level 3
- Nominal Thickness: .875"
- Nominal Weight: 7.14 lbs/ square foot
- Light Transmission: 83%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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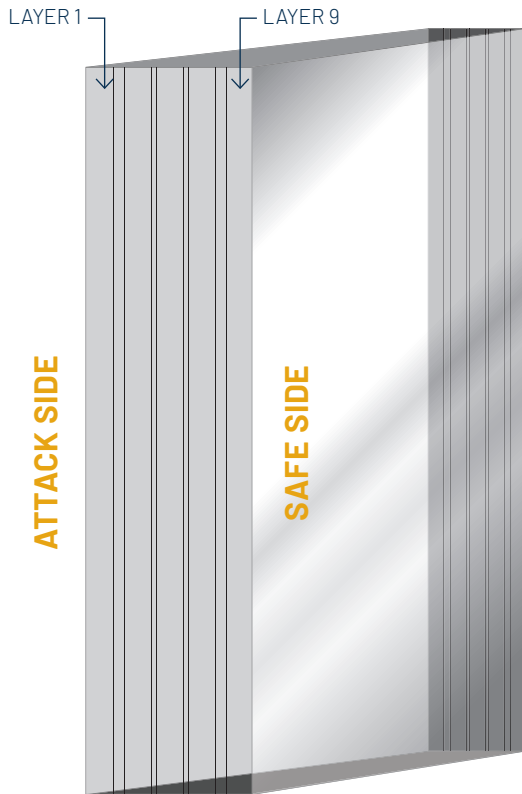
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 960 15/16"



PRODUCT MAKEUP

- Layer 1: 1/8" Glass
- Layer 2: .05 Urethane
- Layer 3: 3/16" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 3/16" Polycarbonate
- Layer 6: .025 Urethane
- Layer 7: 3/16" Polycarbonate
- Layer 8: .05 Urethane
- Layer 9: 1/8" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 2
- HP White Level B Ballistics
- WMFL Level 2
- Nominal Thickness: .96"
- Nominal Weight: 7.3 lbs/ square foot
- Light Transmission: 83%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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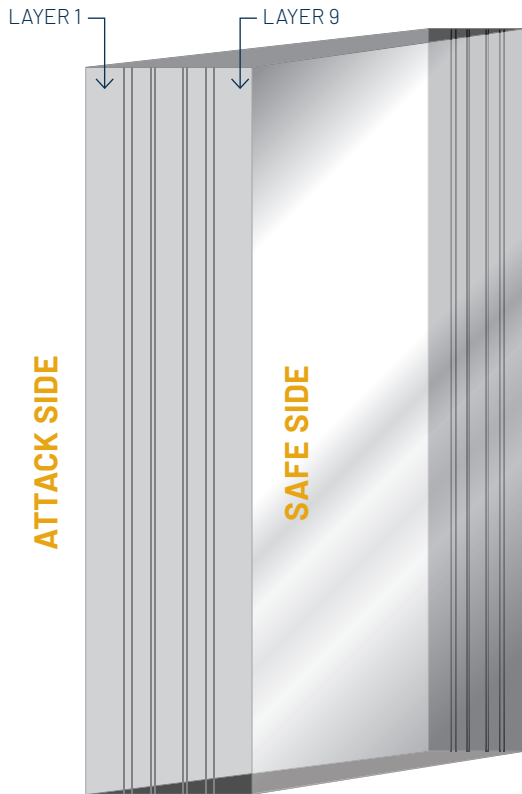
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 1000 1"



PRODUCT MAKEUP

- Layer 1: 1/4" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 1/8" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 3/16" Polycarbonate
- Layer 6: .025 Urethane
- Layer 7: 1/8" Polycarbonate
- Layer 8: .05 Urethane
- Layer 9: 1/4" Heat Strengthened Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 2
- HP White Level B Ballistics
- WMFL Level 2
- Nominal Thickness: 1.06"
- Nominal Weight: 9.33 lbs/ square foot
- Light Transmission: 81%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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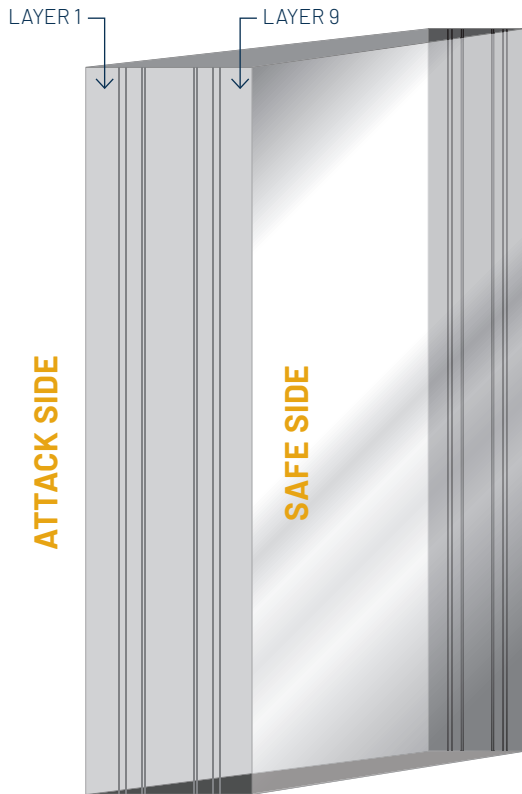
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SAFEWOOD
DESIGNS

SECURITY GLASS CLAD LAMINATE

GCP 1250 1-1/4"



PRODUCT MAKEUP

- Layer 1: 1/4" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 1/8" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 3/5" Polycarbonate
- Layer 6: .025 Urethane
- Layer 7: 1/8" Polycarbonate
- Layer 8: .05 Urethane
- Layer 9: 1/4" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 3
- HP White Level C Ballistics
- WMFL Level 1
- Ballistic UL 752 Level 3
- Nominal Thickness: 1.22"
- Nominal Weight: 10.5 lbs/ square foot
- Light Transmission: 79%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

- ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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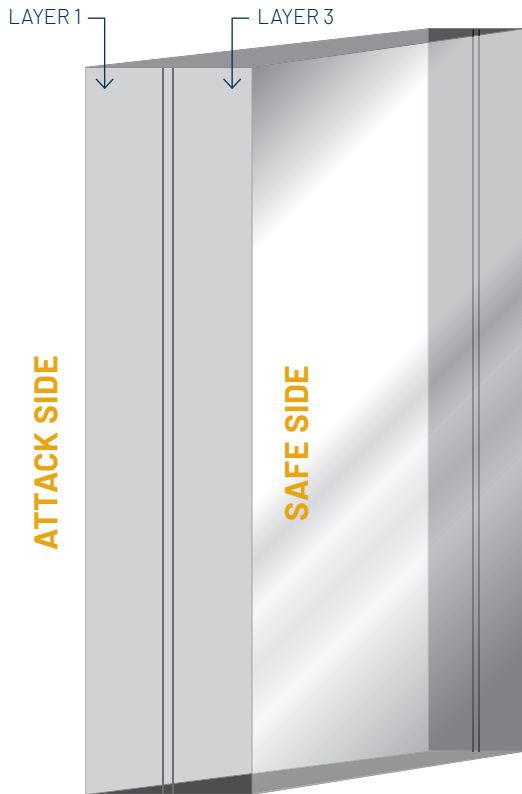
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SAFEWOOD
DESIGNS

LAMINATED POLYCARBONATE

LP 375 3/8"



PRODUCT MAKEUP

- Layer 1: 3/16" Mar Resistant Polycarbonate
- Layer 2: .025 Urethane
- Layer 3: 3/16" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 2
- HP White Level A Ballistics
- WMFL Level 3
- ASTM f1233-93 Class 3
- Nominal Thickness: 0.39"
- Nominal Weight: 2.44 lbs/ square foot
- Light Transmission: 85%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

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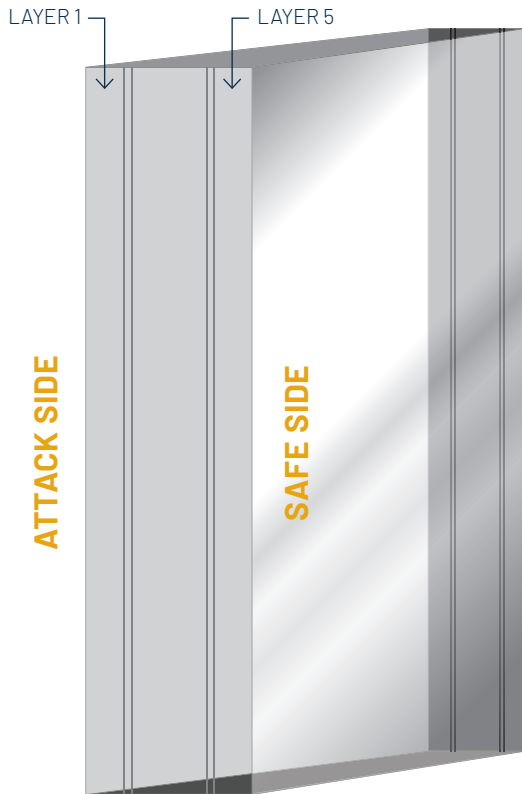
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SAFEWOOD
DESIGNS

LAMINATED POLYCARBONATE

LP 500 1/2"



PRODUCT MAKEUP

- Layer 1: 1/8" Mar Resistant Polycarbonate
- Layer 2: .025 Urethane
- Layer 3: 1/4" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 1/8" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 2
- HP White Level A Ballistics
- WMFL Level 2
- ASTM f1233-93 Class 3
- Nominal Thickness: 0.5"
- Nominal Weight: 3.32 lbs/ square foot
- Light Transmission: 84%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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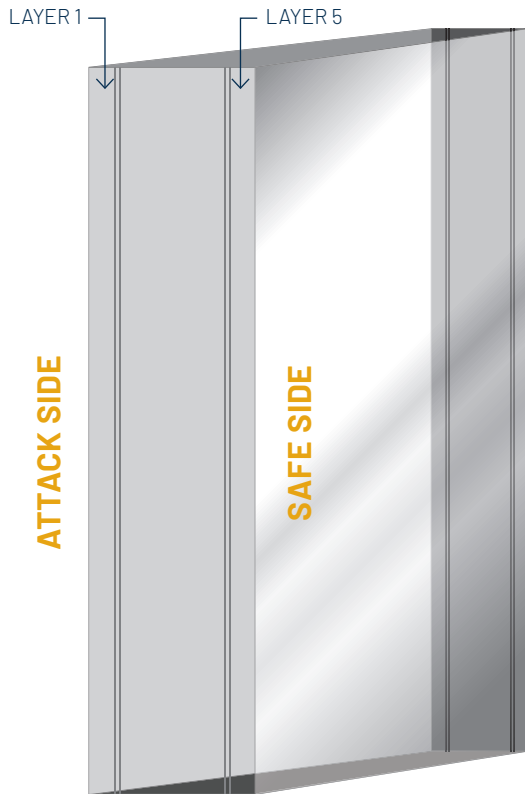
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SAFEWOOD
DESIGNS

LAMINATED POLYCARBONATE

LP 750 3/4"



PRODUCT MAKEUP

- Layer 1: 1/8" Mar Resistant Polycarbonate
- Layer 2: .025 Urethane
- Layer 3: 1/2" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 1/8" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 3
- HP White Level B Ballistics
- Nominal Thickness: 0.757"
- Nominal Weight: 4.88 lbs/ square foot
- Light Transmission: 82%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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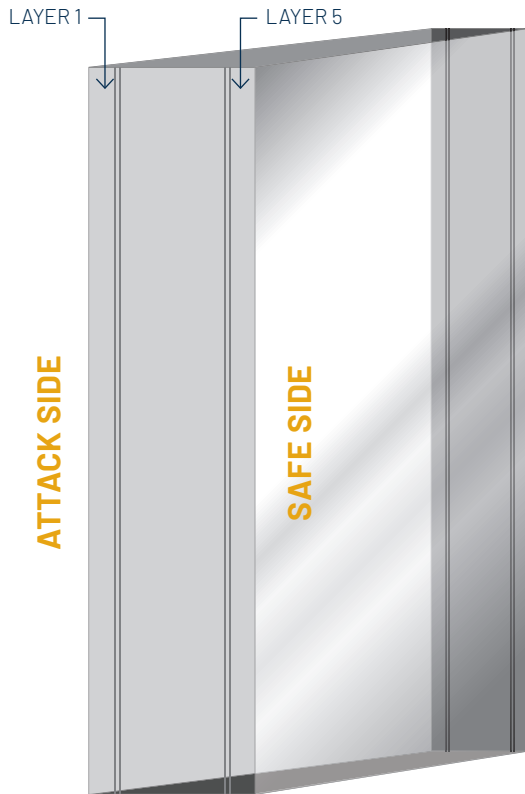
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SAFEWOOD
DESIGNS

LAMINATED POLYCARBONATE

LP 750 BR 3/4"



PRODUCT MAKEUP

- Layer 1: 1/8" Mar Resistant Polycarbonate
- Layer 2: .025 Urethane
- Layer 3: 1/2" Acrylic
- Layer 4: .025 Urethane
- Layer 5: 1/8" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 3
- HP White Level B Ballistics
- Ballistic UL 752 Level 1
- Nominal Thickness: 0.758"
- Nominal Weight: 4.84 lbs/ square foot
- Light Transmission: 82%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

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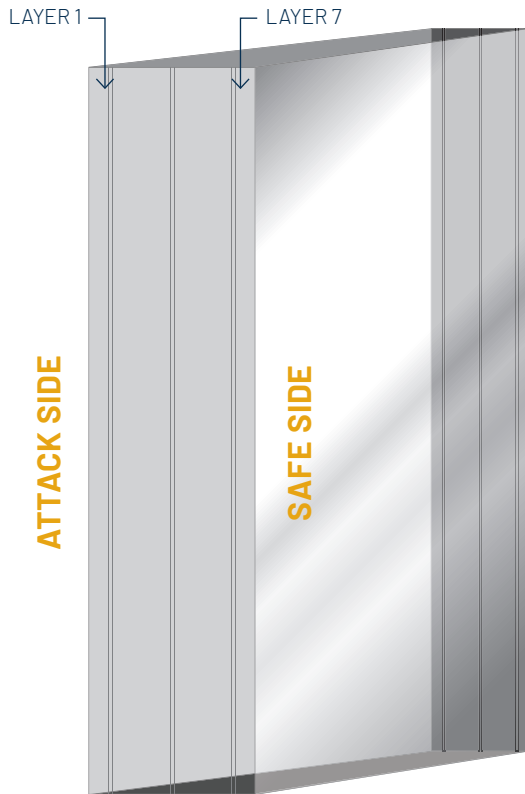
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SAFEWOOD
DESIGNS

LAMINATED POLYCARBONATE

LP 1000 1"



PRODUCT MAKEUP

- Layer 1: 1/8" Mar Resistant Polycarbonate
- Layer 2: .025 Urethane
- Layer 3: 3/8" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 3/8" Polycarbonate
- Layer 6: .025 Urethane
- Layer 7: 1/8" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White TP-0500.02 Level 4
- HP White Level B Ballistics
- Ballistic UL 752 Level 2
- Nominal Thickness: 1"
- Nominal Weight: 6.54 lbs/ square foot
- Light Transmission: 79%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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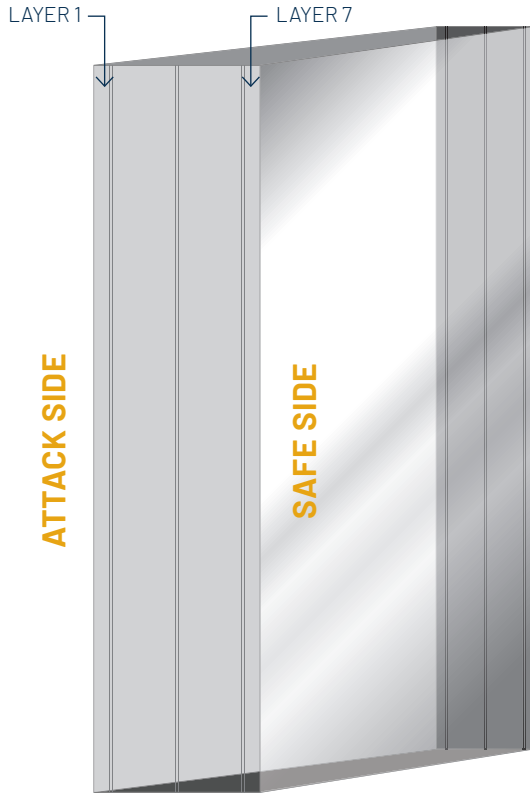
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SAFEWOOD
DESIGNS

LAMINATED POLYCARBONATE

LP 1250 1-1/4"



PRODUCT MAKEUP

- Layer 1: 1/8" Mar Resistant Polycarbonate
- Layer 2: .025 Urethane
- Layer 3: 1/2" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 1/2" Polycarbonate
- Layer 6: .025 Urethane
- Layer 7: 1/8" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- NIJ STD-0108.01 Level 3A
- HP White Level C Ballistics
- Ballistic UL 752 Level 3
- WMFL Level 1
- Nominal Thickness: 1.25"
- Nominal Weight: 8.1 lbs/ square foot
- Light Transmission: 77%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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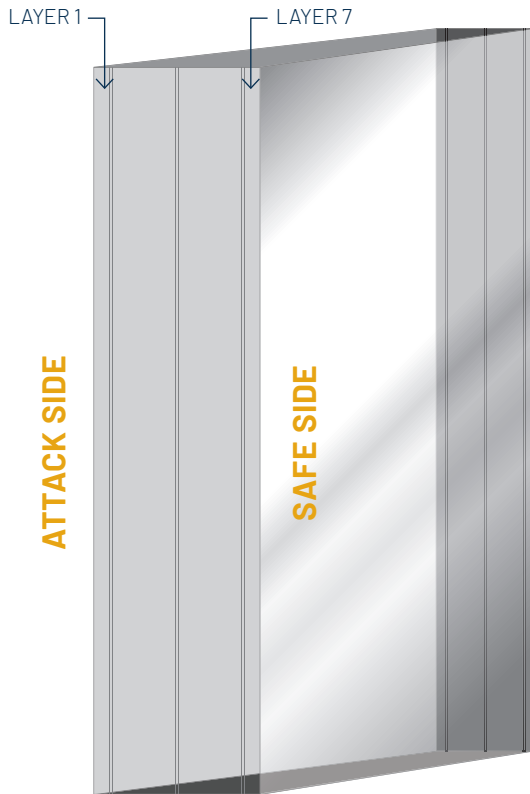
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SAFEWOOD
DESIGNS

LAMINATED POLYCARBONATE

LP 1250 A 1-1/4"



PRODUCT MAKEUP

- Layer 1: 1/8" Mar Resistant Polycarbonate
- Layer 2: .025 Urethane
- Layer 3: 1/2" Acrylic
- Layer 4: .025 Urethane
- Layer 5: 1/2" Polycarbonate
- Layer 6: .025 Urethane
- Layer 7: 1/8" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- NIJ STD-0108.01 Level 3A
- HP White Level C Ballistics
- Ballistic UL 752 Level 3
- WMFL Level 1
- Nominal Thickness: 1.25"
- Nominal Weight: 8.1 lbs/ square foot
- Light Transmission: 77%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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DESIGNS

LAMINATED POLYCARBONATE

LP 1250 BR 1-1/4"



PRODUCT MAKEUP

- Layer 1: 1/8" Mar Resistant Polycarbonate
- Layer 2: .025 Urethane
- Layer 3: 1" Acrylic
- Layer 4: .025 Urethane
- Layer 5: 1/8" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available
- Size and Thickness may not be available for every option

TECHNICAL DETAILS

- NIJ STD-0108.01 Level 3A
- HP White Level C Ballistics
- Ballistic UL 752 Level 3
- WMFL Level 1
- Nominal Thickness: 1.25"
- Nominal Weight: 8.1 lbs/ square foot
- Light Transmission: 77%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

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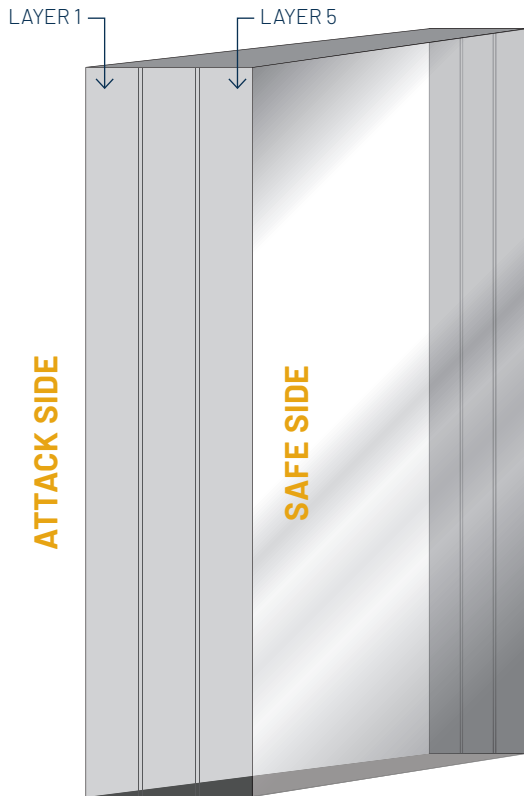
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 001 AG 1-3/16"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .03 PVB
- Layer 3: 3/8" Glass
- Layer 4: .03 PVB
- Layer 5: 3/8" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 1
- Nominal Thickness: 1.185"
- Nominal Weight: 15.25 lbs/ square foot
- Light Transmission: 73%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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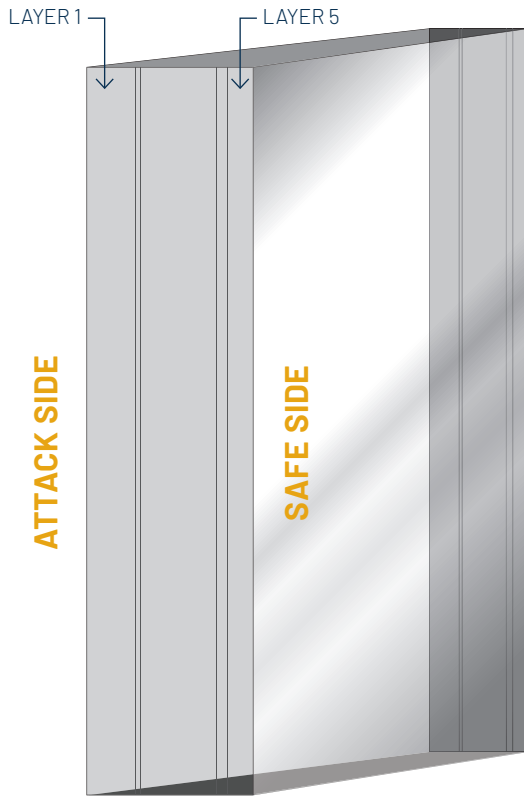
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 002 13/16"



PRODUCT MAKEUP

- Layer 1: 1/4" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .05 Urethane
- Layer 5: 1/8" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 2
- HP White TP-0500.01 Level 1
- Nominal Thickness: 1.185"
- Nominal Weight: 15.25 lbs/ square foot
- Light Transmission: 73%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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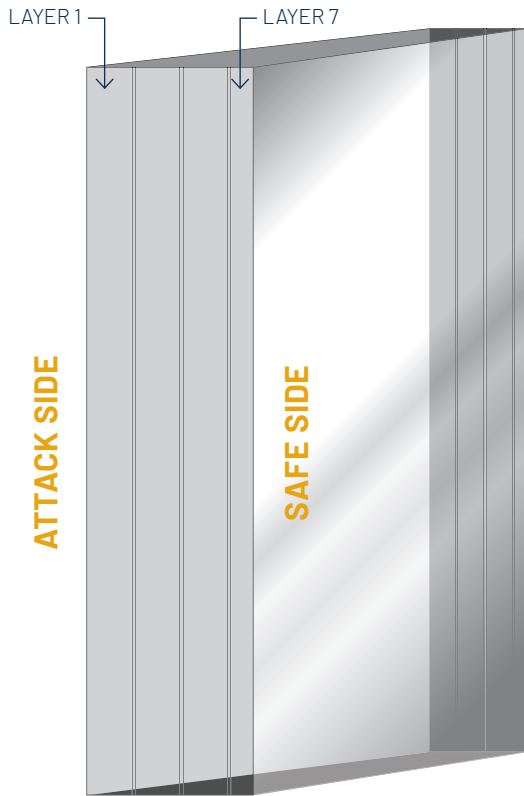
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 002 AG 1-3/8"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .03 PVB
- Layer 3: 3/8" Glass
- Layer 4: .03 PVB
- Layer 5: 3/8" Glass
- Layer 6: .03 PVB
- Layer 7: 3/16" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 2
- Nominal Thickness: 1.4"
- Nominal Weight: 17.94 lbs/ square foot
- Light Transmission: 70%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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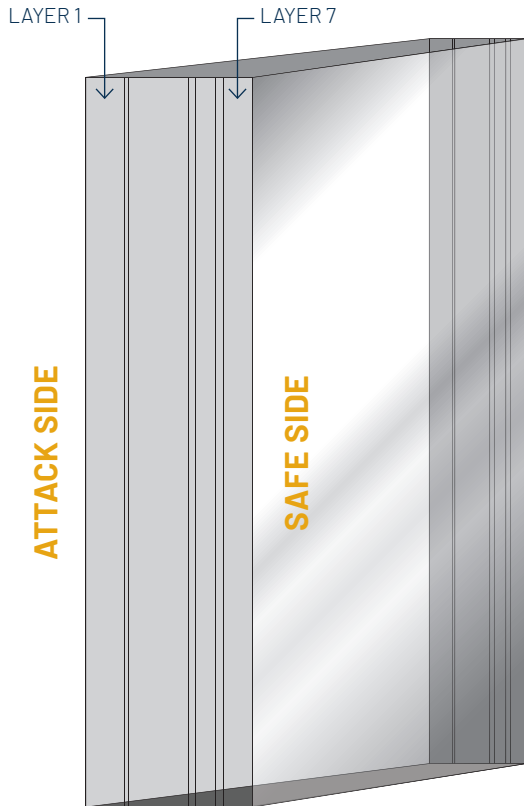
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DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 002 L/S 1"



PRODUCT MAKEUP

- Layer 1: 1/4" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .05 Urethane
- Layer 5: 1/8" Polycarbonate
- Layer 6: .05 Urethane
- Layer 7: 3/16" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 2
- HP White TP-0500.01 Level 1
- Nominal Thickness: 1"
- Nominal Weight: 11.64 lbs/ square foot
- Light Transmission: 76%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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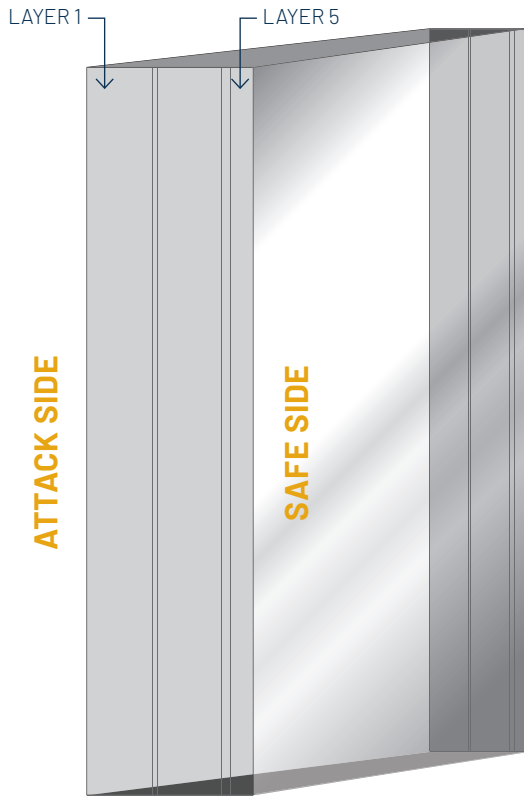
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 003 15/16"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .05 Urethane
- Layer 5: 1/8" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 3
- HP White TP-0500.01 Level 1
- Nominal Thickness: 0.943"
- Nominal Weight: 10.9 lbs/ square foot
- Light Transmission: 75%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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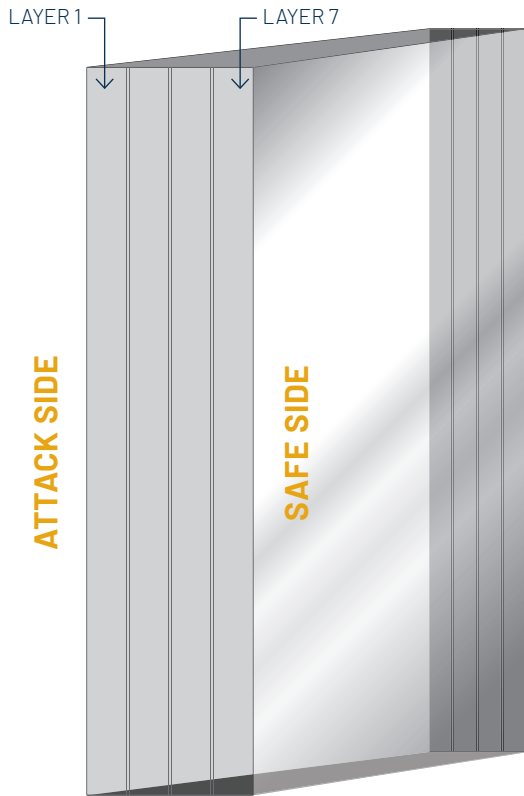
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 003 AG 1-9/16"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .03 PVB
- Layer 3: 3/8" Glass
- Layer 4: .03 PVB
- Layer 5: 3/8" Glass
- Layer 6: .03 PVB
- Layer 7: 3/8" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 3
- Nominal Thickness: 1.59"
- Nominal Weight: 20.38 lbs/ square foot
- Light Transmission: 68%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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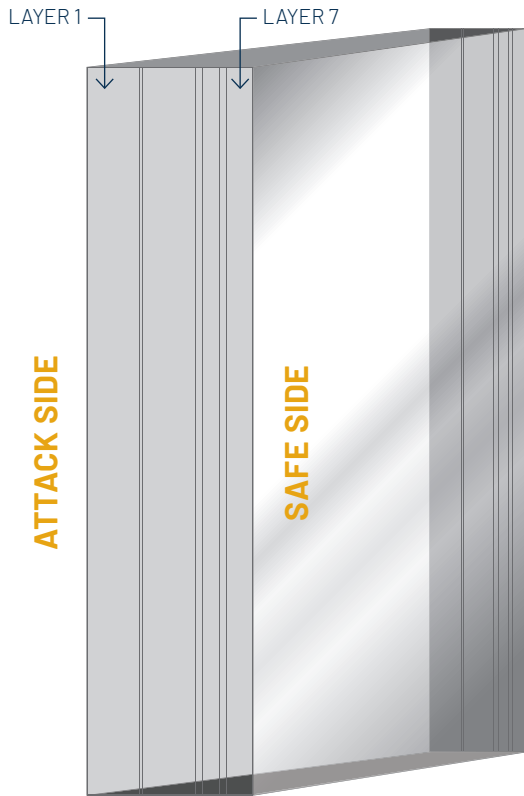
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 003 LS 1-3/16"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .05 Urethane
- Layer 5: 1/8" Polycarbonate
- Layer 6: .05 Urethane
- Layer 7: 3/16" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 3
- HP White TP-0500.01 Level 1
- Nominal Thickness: 1.2"
- Nominal Weight: 13.5 lbs/ square foot
- Light Transmission: 75%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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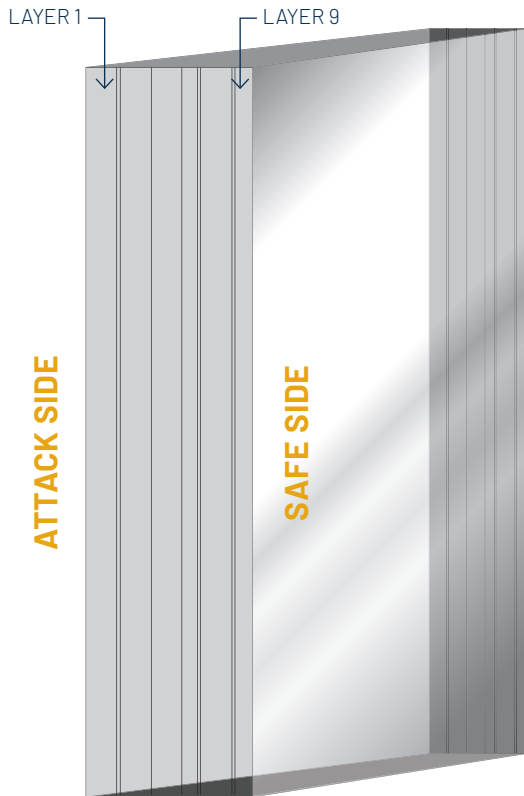
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DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 003 LS IG HC Low-E



PRODUCT MAKEUP

- Layer 1: 1/4" Tempered Low-E
- Layer 2: 1/4" Air Gap
- Layer 3: 3/8" Glass
- Layer 4: .025 Urethane
- Layer 5: 3/8" Glass
- Layer 6: .05 Urethane
- Layer 7: 1/8" Polycarbonate
- Layer 8: .05 Urethane
- Layer 9: 3/16" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be

TECHNICAL DETAILS

- Ballistic UL 752 Level 3
- Nominal Thickness: 1.78"
- Nominal Weight: 16.6 lbs/ square foot
- Shading Co: 64%
- VLT: 63%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated
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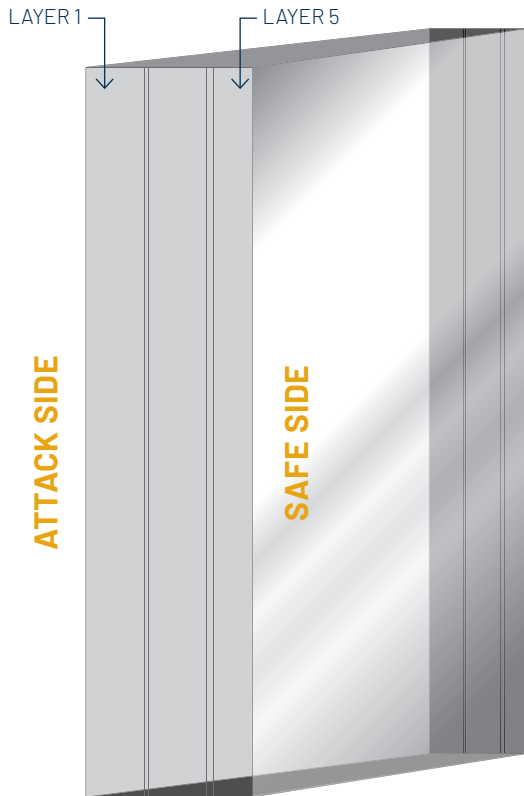
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DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 004 1-1/8"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .05 Urethane
- Layer 5: 1/4" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 4
- Nominal Thickness: 1.1"
- Nominal Weight: 11.68 lbs/ square foot
- Light Transmission: 75%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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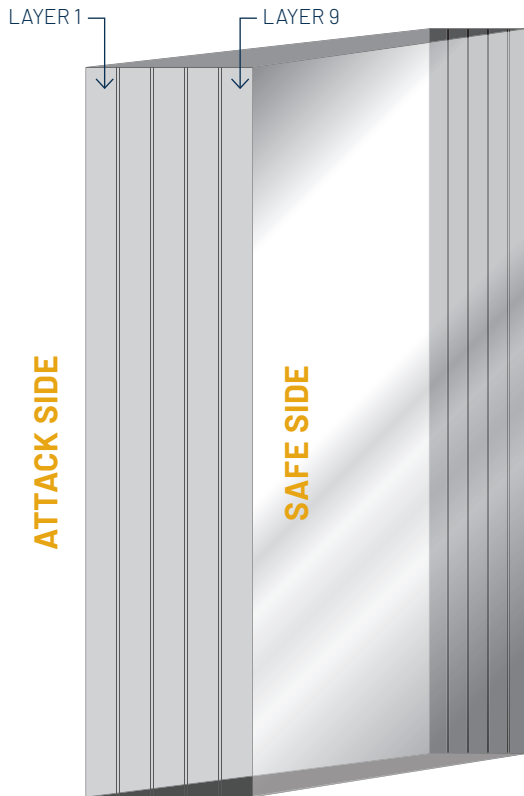
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 004 AG 2"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .03 PVB
- Layer 3: 3/8" Glass
- Layer 4: .03 PVB
- Layer 5: 3/8" Glass
- Layer 6: .03 PVB
- Layer 7: 3/8" Glass
- Layer 8: .03 PVB
- Layer 9: 3/8" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 4
- Nominal Thickness: 2"
- Nominal Weight: 25.63 lbs/ square foot
- Light Transmission: 64%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
 ASTM C 1036 Standard Specification for Flat Glass
 ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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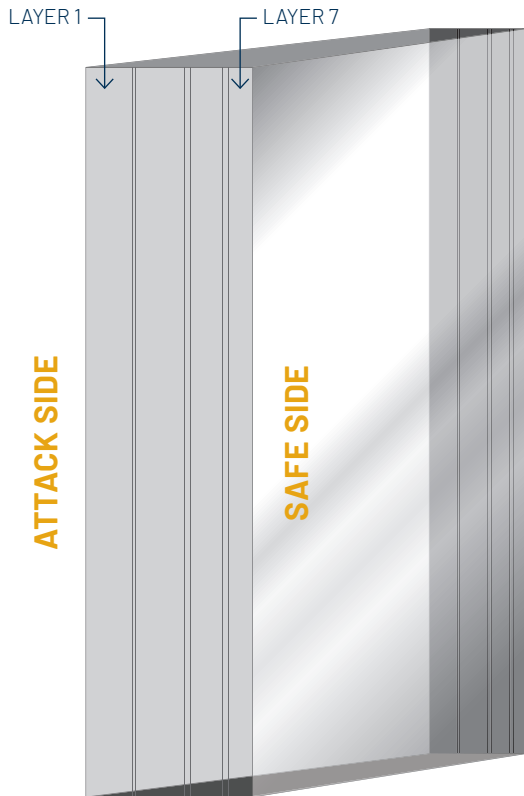
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 004 LS 1-1/4"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .05 Urethane
- Layer 5: 1/4" Polycarbonate
- Layer 6: .05 Urethane
- Layer 7: 3/16" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 4
- Nominal Thickness: 1.25"
- Nominal Weight: 14.3 lbs/ square foot
- Light Transmission: 75%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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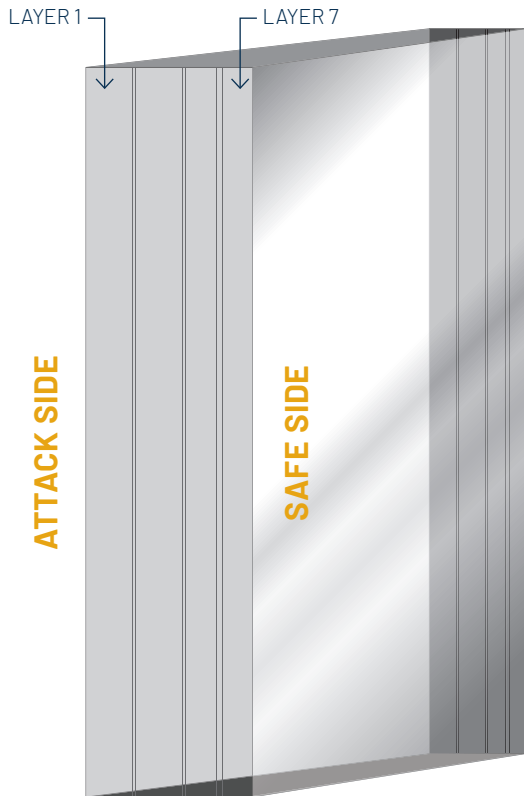
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 005 1-3/8"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .025 Urethane
- Layer 5: 1/4" Glass
- Layer 6: .05 Urethane
- Layer 7: 1/4" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 4
- Nominal Thickness: 1.35"
- Nominal Weight: 14.78 lbs/ square foot
- Light Transmission: 67%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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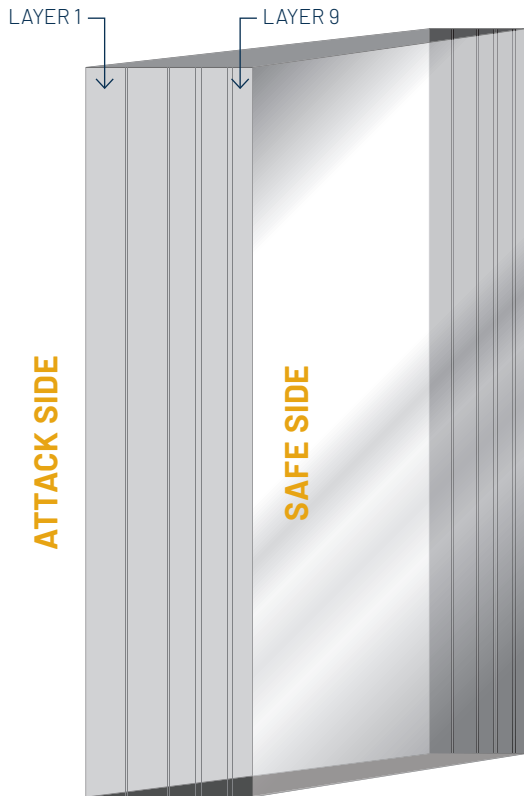
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 005 LS 1-5/8"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .025 Urethane
- Layer 5: 1/4" Glass
- Layer 6: .05 Urethane
- Layer 7: 1/4" Polycarbonate
- Layer 8: .05 Urethane
- Layer 9: 3/16" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 5
- Nominal Thickness: 1.6"
- Nominal Weight: 17.3 lbs/ square foot
- Light Transmission: 67%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
 ASTM C 1036 Standard Specification for Flat Glass
 ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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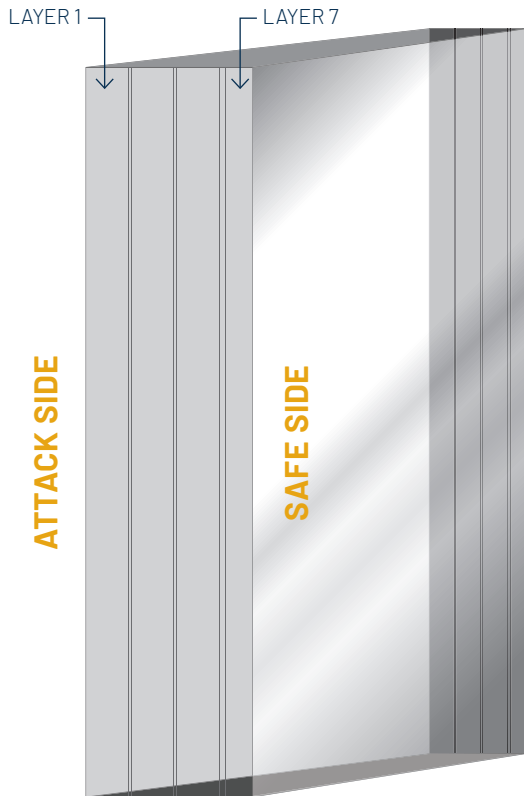
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 005 MH 1-7/16"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .025 Urethane
- Layer 5: 3/8" Glass
- Layer 6: .05 Urethane
- Layer 7: 1/4" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 5
- NIJ Level 3
- HP White - 7.62 NATO
- Nominal Thickness: 1.475"
- Nominal Weight: 16.69 lbs/ square foot
- Light Transmission: 67%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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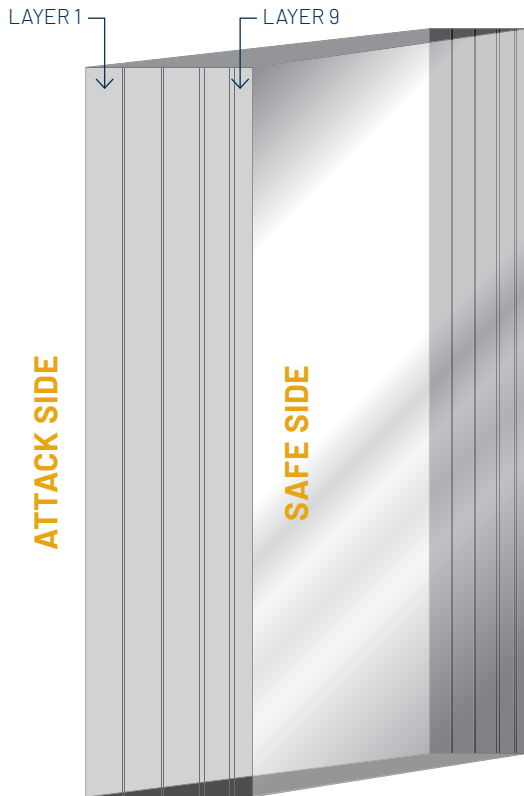
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 005 MH LS 1-3/4"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .025 Urethane
- Layer 5: 3/8" Glass
- Layer 6: .05 Urethane
- Layer 7: 1/4" Polycarbonate
- Layer 8: .05 Urethane
- Layer 9: 3/16" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White 7.62 NATO
- Nominal Thickness: 1.71"
- Nominal Weight: 19.3 lbs/ square foot
- Light Transmission: 67%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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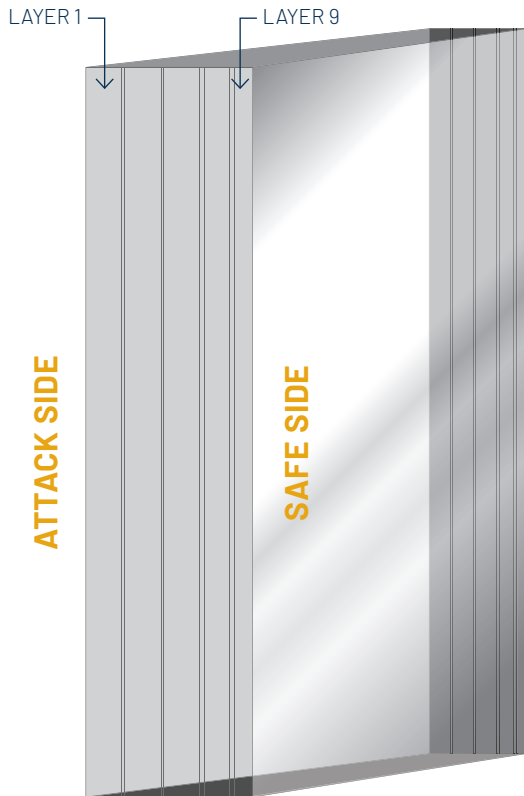
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 007 1-7/8"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .025 Urethane
- Layer 5: 3/8" Glass
- Layer 6: .025 Urethane
- Layer 7: 3/8" Glass
- Layer 8: .05 Urethane
- Layer 9: 1/4" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 7
- Nominal Thickness: 1.827"
- Nominal Weight: 21.32 lbs/ square foot
- Light Transmission: 67%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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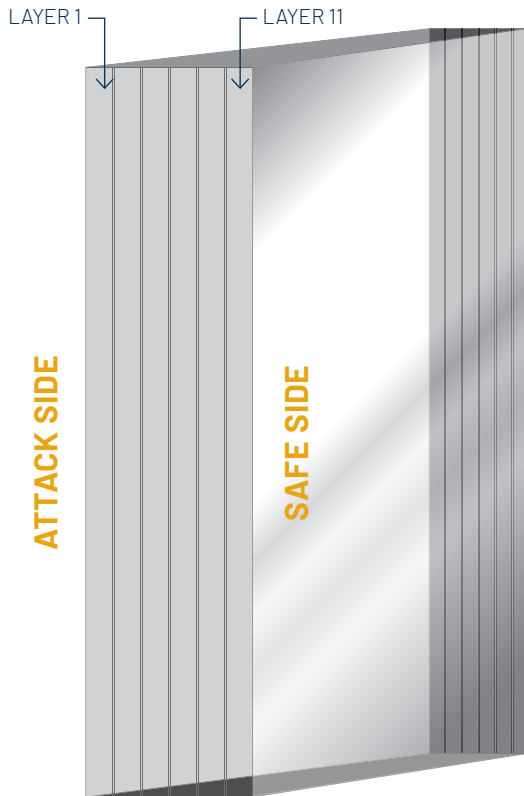
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 008 AG 2-7/16"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .03 PVB
- Layer 3: 3/8" Glass
- Layer 4: .03 PVB
- Layer 5: 3/8" Glass
- Layer 6: .03 PVB
- Layer 7: 3/8" Glass
- Layer 8: .03 PVB
- Layer 9: 3/8" Glass
- Layer 10: .03 PVB
- Layer 11: 3/8" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White 7.62 AP
- Nominal Thickness: 2.4"
- Nominal Weight: 29.76 lbs/ square foot
- Light Transmission: 60%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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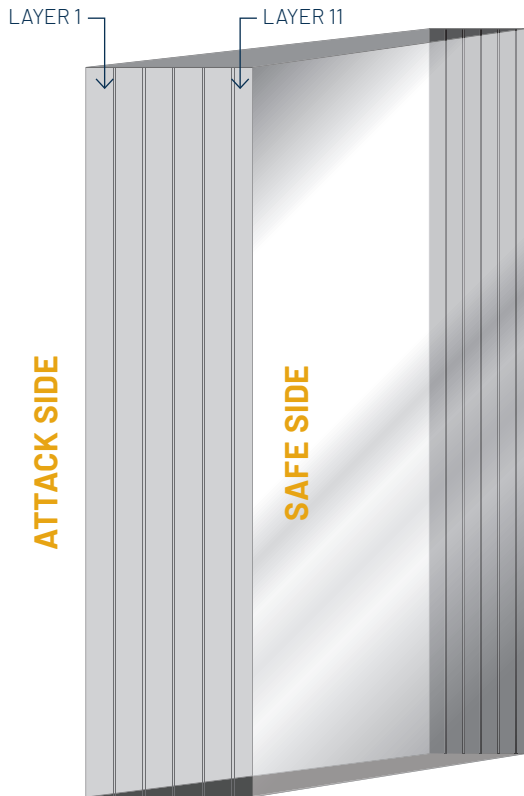
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 008 AP 2-1/4"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .025 Urethane
- Layer 5: 3/8" Glass
- Layer 6: .025 Urethane
- Layer 7: 3/8" Glass
- Layer 8: .025 Urethane
- Layer 9: 3/8" Glass
- Layer 10: .05 Urethane
- Layer 11: 1/4" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 9
- NIJ Level 4
- Nominal Thickness: 2.275"
- Nominal Weight: 26.71 lbs/ square foot
- Light Transmission: 61%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
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ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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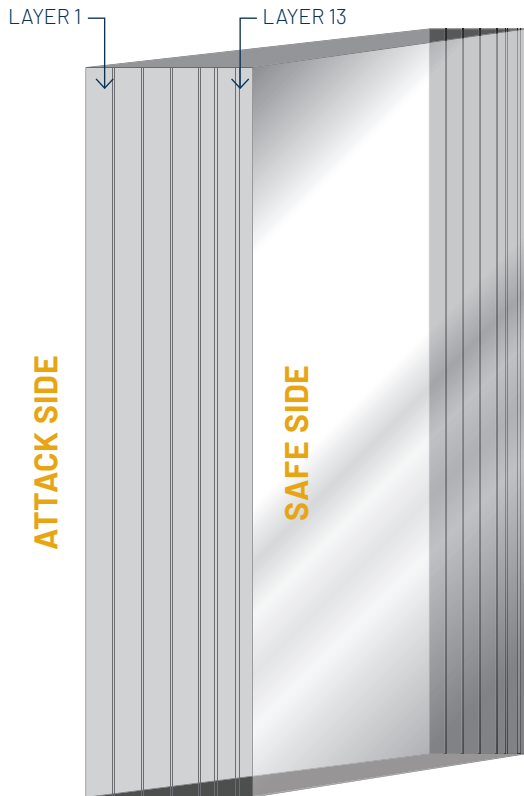
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 008 LS 2-5/16"



PRODUCT MAKEUP

- Layer 1: 3/8" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .025 Urethane
- Layer 5: 3/8" Glass
- Layer 6: .025 Urethane
- Layer 7: 3/8" Glass
- Layer 8: .025 Urethane
- Layer 9: 3/16" Glass
- Layer 10: .05 Urethane
- Layer 11: 1/4" Polycarbonate
- Layer 12: .05 Urethane
- Layer 13: 3/16" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass, One-way Mirror
- Translucent, White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- HP White 7.62 AP
- NIJ Level 4
- Nominal Thickness: 2.3"
- Nominal Weight: 29.3 lbs/ square foot
- Light Transmission: 61%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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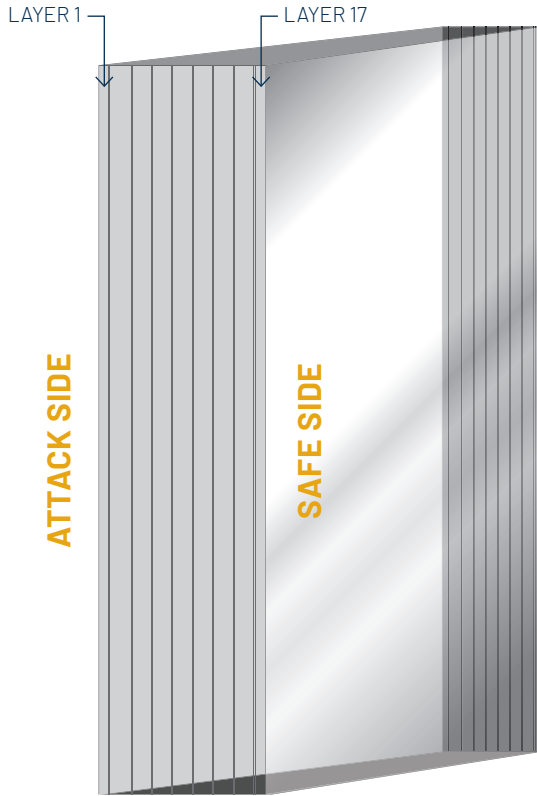
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 50 CAL AP 4"



PRODUCT MAKEUP

- Layer 1: 1/4" Glass
- Layer 2: .025 Urethane
- Layer 3: 1/2" Glass
- Layer 4: .025 Urethane
- Layer 5: 1/2" Glass
- Layer 6: .025 Urethane
- Layer 7: 1/2" Glass
- Layer 8: .025 Urethane
- Layer 9: 1/2" Glass
- Layer 10: .025 Urethane
- Layer 11: 1/2" Glass
- Layer 12: .025 Urethane
- Layer 13: 1/2" Glass
- Layer 14: .025 Urethane
- Layer 15: 1/2" Glass
- Layer 16: .05 Urethane
- Layer 17: 1/4" Mar Resistant Polycarbonate

TECHNICAL DETAILS

- HP White 50 CAL AP 1 Shot
- Nominal Thickness: 3.98"
- Nominal Weight: 46 lbs/ square foot
- Light Transmission: 61%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass s

OPTIONS

Tinted Glass (Gray, Bronze, Green, Blue), Reflective Glass, One-way Mirror, Translucent, White Interlayer (Frosted Glass), Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option



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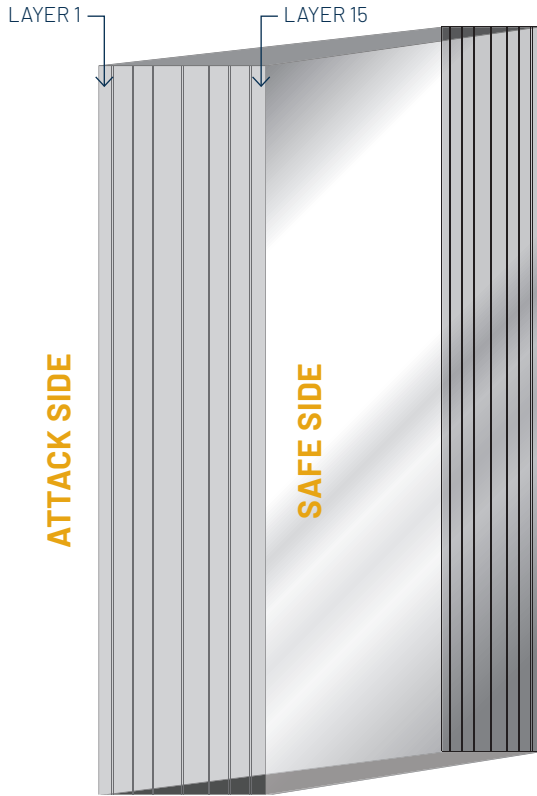
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 50 CAL BALL 3"



PRODUCT MAKEUP

- Layer 1: 1/4" Glass
- Layer 2: .025 Urethane
- Layer 3: 3/8" Glass
- Layer 4: .025 Urethane
- Layer 5: 3/8" Glass
- Layer 6: .025 Urethane
- Layer 7: 1/2" Glass
- Layer 8: .025 Urethane
- Layer 9: 1/2" Glass
- Layer 10: .025 Urethane
- Layer 11: 3/8" Glass
- Layer 12: .025 Urethane
- Layer 13: 3/8" Glass
- Layer 14: .05 Urethane
- Layer 15: 1/4" Mar Resistant Polycarbonate

TECHNICAL DETAILS

- HP White 50 CAL Ball
- Ballistic UL 752 Level 10
- Nominal Thickness: 3"
- Nominal Weight: 39 lbs/ square foot
- Light Transmission: 61%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass s

OPTIONS

Tinted Glass (Gray, Bronze, Green, Blue), Reflective Glass, One-way Mirror, Translucent, White Interlayer (Frosted Glass), Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option



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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 1000 3/4"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .05 Urethane
- Layer 3: 3/8" Polycarbonate
- Layer 4: .05 Urethane
- Layer 5: 1/8" Heat Strengthened Glass
- Layer 6: .037 Spall Shield

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 1
- HP White TP-0500.01 Level 1
- Nominal Thickness: .75"
- Nominal Weight: 6.4 lbs/ square foot
- Light Transmission: 75%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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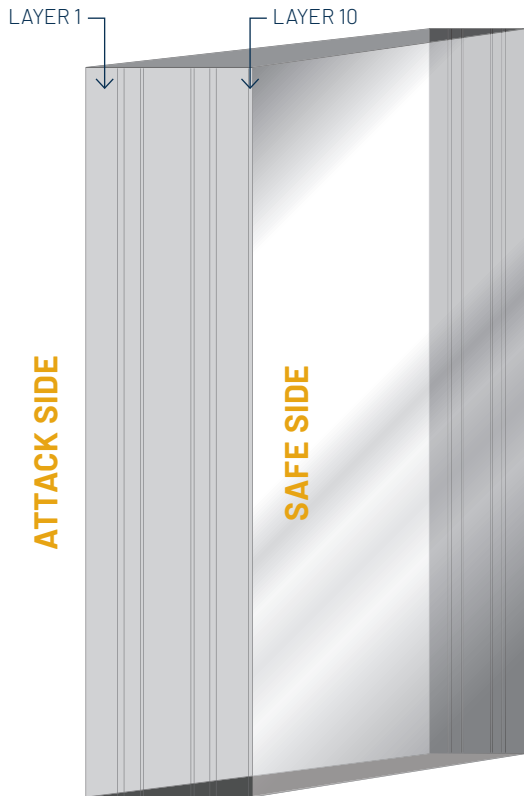
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 3000 1-1/4"



PRODUCT MAKEUP

- Layer 1: 1/4" Heat Strengthened Glass
- Layer 2: .025 Urethane
- Layer 3: 1/8" Polycarbonate
- Layer 4: .025 Urethane
- Layer 5: 3/8" Polycarbonate
- Layer 6: .025 Urethane
- Layer 7: 1/8" Polycarbonate
- Layer 8: .05 Urethane
- Layer 9: 1/4" Heat Strengthened Glass
- Layer 10: .037 Spall Shield

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

TECHNICAL DETAILS

- Ballistic UL 752 Level 3 & 6
- HP White TP-0500.02 Level 3
- WMFL Level 1
- Nominal Thickness: 1.24"
- Nominal Weight: 10.7 lbs/ square foot
- Light Transmission: 67%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
 ASTM C 1036 Standard Specification for Flat Glass
 ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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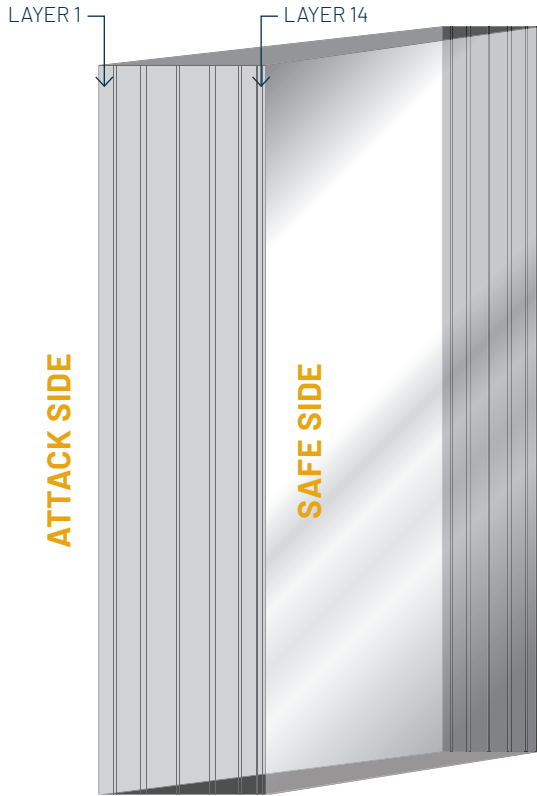
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 3500 1-1/4"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .025 Urethane
- Layer 3: 3/16" Glass
- Layer 4: .05 Urethane
- Layer 5: 1/4" Polycarbonate
- Layer 6: .025 Urethane
- Layer 7: 1/4" Polycarbonate
- Layer 8: .05 Urethane
- Layer 9: 3/16" Heat Strengthened Glass
- Layer 10: .025 Urethane
- Layer 11: 1/8" Glass
- Layer 12: .015 Urethane
- Layer 13: 1/32" Polycarbonate
- Layer 14: .022 Spall Shield

TECHNICAL DETAILS

- Ballistic UL 752 Level 3
- HP White TP-0500.02 Level 3
- WMFL Level 1
- Nominal Thickness: 1.26"
- Nominal Weight: 10.7 lbs/ square foot
- Light Transmission: 67%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass s

OPTIONS

Tinted Glass (Gray, Bronze, Green, Blue), Reflective Glass, One-way Mirror, Translucent, White Interlayer (Frosted Glass), Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option



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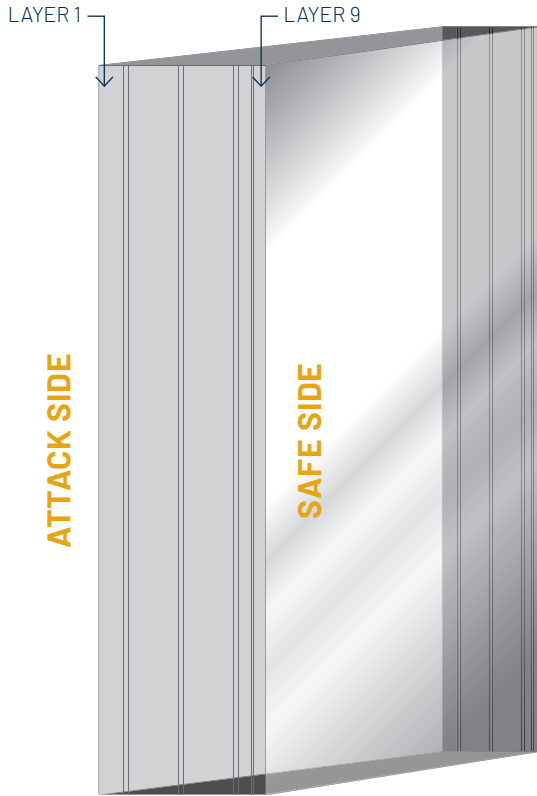
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD 5000 1-5/8"



PRODUCT MAKEUP

- Layer 1: 1/4" Glass
- Layer 2: .05 Urethane
- Layer 3: 1/2" Glass
- Layer 4: .05 Urethane
- Layer 5: 1/2" Glass
- Layer 6: .05 Urethane
- Layer 7: 1/8" Polycarbonate
- Layer 8: .025 Urethane
- Layer 9: 1/8" Mar Resistant Polycarbonate

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- NIJ Level 3 B-6 7.62 NATO
- Nominal Thickness: 1.64"
- Nominal Weight: 19.3 lbs/ square foot
- Light Transmission: 68%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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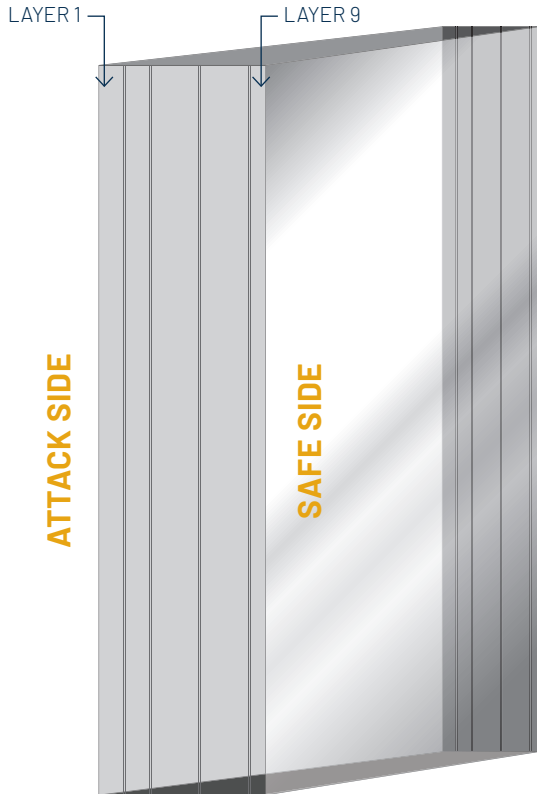
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD UL1 1-1/4"



PRODUCT MAKEUP

- Layer 1: 3/16" Glass
- Layer 2: .015 PVB
- Layer 3: 3/16" Glass
- Layer 4: .015 PVB
- Layer 5: 3/8" Glass
- Layer 6: .015 PVB
- Layer 7: 3/8" Glass
- Layer 8: .015 PVB
- Layer 9: 1/8" Glass

OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Reflective Glass
- One-way Mirror
- Translucent
- White Interlayer (Frosted Glass)
- Wire Glass; Insulating Units; Low E
- *More Option Available

Size and Thickness may not be available for every option

TECHNICAL DETAILS

- Ballistic UL 752 Level 1
- Nominal Thickness: 1.28"
- Nominal Weight: 16.23 lbs/ square foot
- Light Transmission: 73%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass



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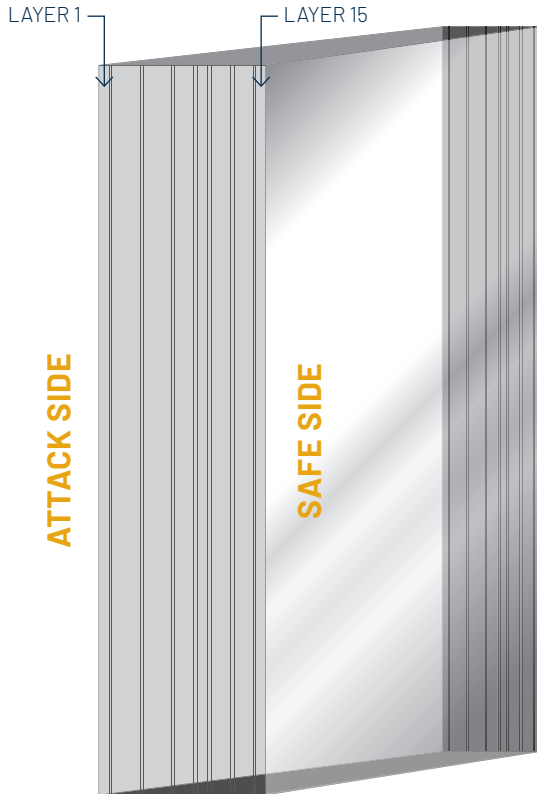
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SAFEWOOD
DESIGNS

BALLISTIC GLASS CLAD LAMINATE

SWD UL8 2-1/8"



PRODUCT MAKEUP

- Layer 1: 1/8" Heat Strengthened Glass
- Layer 2: .03 PVB
- Layer 3: 3/8" Glass
- Layer 4: .03 PVB
- Layer 5: 3/8" Glass
- Layer 6: .03 PVB
- Layer 7: 1/4" Glass
- Layer 8: .05 Urethane
- Layer 9: 1/8" Polycarbonate
- Layer 10: .05 Urethane
- Layer 11: 1/4" Glass
- Layer 12: .05 Urethane
- Layer 13: 1/4" Polycarbonate
- Layer 14: .025 Urethane
- Layer 15: 1/8" Mar Resistant Polycarbonate

TECHNICAL DETAILS

- Ballistic UL 752 Level 8
- Nominal Thickness: 2.14"
- Nominal Weight: 23 lbs/ square foot
- Light Transmission: 60%
- Dimensional Tolerance: ASTM C 1349

STANDARDS

ANSI Z97.1-1984 Safety Glazing Materials for Buildings
ASTM C 1036 Standard Specification for Flat Glass
ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass s

OPTIONS

Tinted Glass (Gray, Bronze, Green, Blue), Reflective Glass, One-way Mirror, Translucent, White Interlayer (Frosted Glass), Wire Glass; Insulating Units; Low E

*More Option Available

Size and Thickness may not be available for every option



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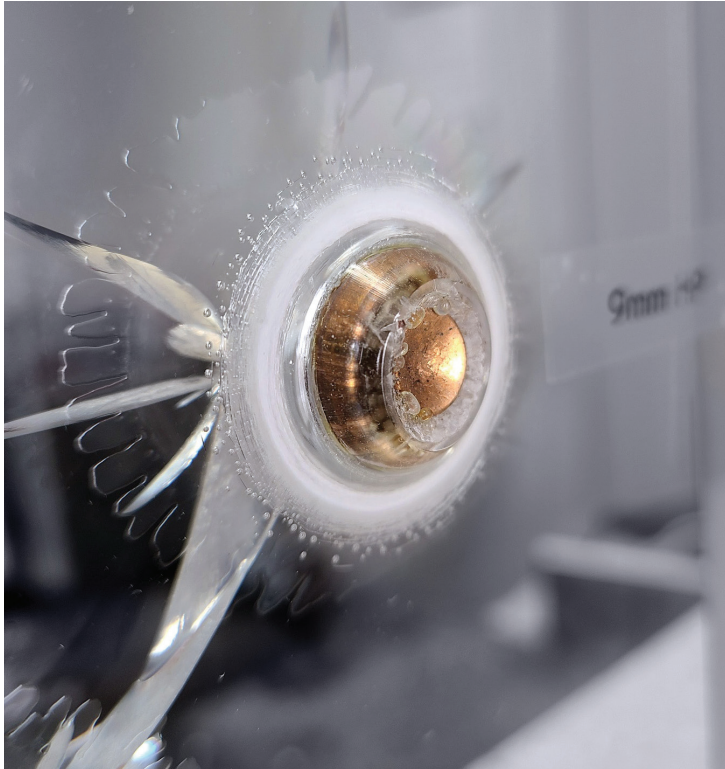
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SAFEWOOD
DESIGNS

Polycast[®] Acryshield™

Acryshield™ MP



CHARACTERISTICS

Polycast[®] Acryshield™ Bullet Resistant sheet is an effective solution for essential barrier protection in glazing applications. The different available grades are UL designated and are designed to fit a variety of ballistic protection applications. The characteristics most often considered when choosing a bullet resistant sheet are adequate protection, weight, optical clarity and cost. Polycast[®] Acryshield™ bullet resistant sheet offers the right balance of properties to meet these specific protection needs. Lighter weight than glass, and with superior optical clarity, Polycast181 Acryshield™ bullet resistant sheet is a clear choice for ballistic protection.

FEATURES

Acryshield™ MP Protects against handguns of medium power, such as the 9mm and Super 38 Automatics - any handgun with a muzzle energy of 380 to 460 foot-pounds.

TECHNICAL DETAILS

- UL752 Level 1
- Nominal Thickness: 1.25"
- Nominal Weight: 7.7 lbs/ square foot
- Light Transmission: > 90%
- Haze: < 1%
- Protection: 9mm

STANDARDS

Meets the test requirements of Building Code class CC2, ANS, 297.1-Safety Glazing Material, ANS, 226.1-Motor Vehicle Safety Glazing Material, Dade County Approval, Federal Specification L-P-391D+ ASTM D 4802.

Maximum Continuous Service Temperature:

170° F

Minimum Continuous Service Temperature:

-26° F (lowest temperature tested for bullet-resistance)



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SAFEWOOD
DESIGNS

Polycast® Acryshield™

Acryshield™ SP



CHARACTERISTICS

Polycast® Acryshield™ Bullet Resistant sheet is an effective solution for essential barrier protection in glazing applications. The different available grades are UL designated and are designed to fit a variety of ballistic protection applications. The characteristics most often considered when choosing a bullet resistant sheet are adequate protection, weight, optical clarity and cost. Polycast® Acryshield™ bullet resistant sheet offers the right balance of properties to meet these specific protection needs. Lighter weight than glass, and with superior optical clarity, Acryshield™ bullet resistant sheet is a clear choice for ballistic protection.

FEATURES

Acryshield™ SP Protects against all handguns, including super power guns, such as the .44 Magnum. Exceeds criteria within UL Level 3 requirements.

TECHNICAL DETAILS

- UL752 Level 3
- Nominal Thickness: 1.25"
- Nominal Weight: 7.7 lbs/ square foot
- Light Transmission: > 85%
- Haze: < 1.5%
- Protection: .44 Magnum

STANDARDS

Meets the test requirements of Building Code class CC2, ANS, 297.1-Safety Glazing Material, ANS, 226.1-Motor Vehicle Safety Glazing Material, Dade County Approval, Federal Specification L-P-391D+ ASTM D 4802.

Maximum Continuous Service Temperature:

170° F

Minimum Continuous Service Temperature:

-26° F (lowest temperature tested for bullet-resistance)



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