**100mm SINGLEDISC MB100 SYSTEM**

**SAFELITE® STF (Sentry®) 13.52mm**

**PANEL WIDTH NOTES:**
- Balustrade stiffener brackets or interlinking rail required for panels <2000mm.
- Minimum panel width where two or more panels are in a straight line = 1000mm.
- Minimum width for short return panel = 200mm.

**Residential & Commercial**
- Occupancy types A, A other, C3, B and E.

**GLASS & FIXING SPECIFICATIONS:**
- Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

**100mm SINGLEDISC MB100 SYSTEM**

**SAFELITE® STF (Sentry®) 17.52mm**

**PANEL WIDTH NOTES:**
- Balustrade stiffener brackets or interlinking rail required for panels <1500mm.
- Minimum panel width where two or more panels are in a straight line = 1000mm.
- Minimum width for short return panel = 200mm.

**17.52mm – Residential & Commercial**
- Occupancy types A, A other, C3, B and E.

**GLASS & FIXING SPECIFICATIONS:**
- Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

**IMPORTANT NOTE:** The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

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**SAFELITE® STF (Sentry®) Glass**

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**1100MM SINGLE DISC MB100 SYSTEM**

**ELEVATION DRAWING 01**

**FOR HEIGHT REQUIREMENTS**

Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

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**FOR PANEL WIDTHS < 2000mm REQUIRE BALUSTRADE STIFFENER BRACKETS OR INTERLINKING RAIL (Edgetec® or S40) AT REQUIRED BARRIER HEIGHT AS PER B1/AS CL 7.3.1**

**FOR PANEL WIDTHS < 1500mm REQUIRE INTERLINKING RAIL (Edgetec® or S40) AT REQUIRED BARRIER HEIGHT AS PER B1/AS CL 7.3.1**

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**GLASS STAMPS**

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**MINIMUM PANEL WIDTH 2000mm**

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**FULL HEIGHT SILICONE BUTT JOIN REQUIRED AT CORNER IF USING SB BRACKETS**

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**MINIMUM PANEL WIDTH 1300mm**

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**FULL HEIGHT SILICONE BUTT JOIN REQUIRED AT CORNER IF USING SB BRACKETS**

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**MINIMUM PANEL WIDTH**

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**MINIMUM PANEL WIDTH**

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**MINIMUM PANEL WIDTH**

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**MINIMUM PANEL WIDTH**

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**MINIMUM PANEL WIDTH**

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Balustrade Systems

www.metroglass.co.nz
100MM SINGLEDISC MB100 SYSTEM

SAFELITE® EVA Glass

100mm SINGLEDISC MB100 SYSTEM
SAFELITE® EVA 15.2mm
SAFELITE® EVA 17.2mm

PANEL WIDTH NOTES:
Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

Residential & Commercial
Occupancy types A, A other, C3, B and E.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.
100mm SINGLEDISC MB100 SYSTEM

**TEMPAFLOAT® 12mm**

**PANEL WIDTH NOTES:**
- Minimum panel width where two or more panels are in a straight line = 1000mm.
- Minimum width for short return panel = 200mm.

**Residential & Commercial**
- Occupancy types A, A other, C3, B and E.

**GLASS & FIXING SPECIFICATIONS:**
- Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

**INTERLINKING RAIL REQUIRED AT BARRIER HEIGHT AS PER B1/AS CL 7.3.1:**
- S25 (on glass only, MAX 1700mm panels)
- S40 & Edgetec® (on MFG HB50 J brackets, MAX 1700mm panels)
- S40 & Edgetec® (on glass, MAX 1900mm panels)

**Panel gap:**
- MIN 14mm
- MAX 20mm

**MINIMUM PANEL WIDTH 1000mm**

**MAXIMUM PANEL WIDTH 1900mm**

**J brackets must be MFG HB50 range**

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**100mm SINGLEDISC MB100 SYSTEM**

**TEMPAFLOAT® 15mm**

**PANEL WIDTH NOTES:**
- Minimum panel width where two or more panels are in a straight line = 1000mm.
- Minimum width for short return panel = 200mm.

**Residential & Commercial**
- Occupancy types A, A other, C3, B and E.

**GLASS & FIXING SPECIFICATIONS:**
- Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

**INTERLINKING RAIL (S40 or Edgetec®) REQUIRED AT BARRIER HEIGHT AS PER B1/AS CL 7.3.1**

**Panel gap:**
- MIN 14mm
- MAX 20mm

**MINIMUM PANEL WIDTH 1000mm**

**MAXIMUM PANEL WIDTH 1900mm**

**J brackets must be MFG HB50 range**

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**IMPORTANT NOTE:** The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.
100mm SINGLEDISC MB100 SYSTEM
POOL FENCE ONLY TEMPAFLOAT® 12mm & 15mm

Applies to free standing pool fences not protecting a fall of > 1000mm.
As of Jan 2017, complies with Building Code clause F9 & section 162C of the building Act.

Glass & Fixing Specifications:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

Important Note: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.
100MM SINGLEDISC MB100 ELEVATION
Stair Balustrade

100mm DOUBLEDISC MB100 SYSTEM
STAIR BALUSTRADE

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

NOTE:
The specifier must ensure that the handrail requirements for stairways as per the NZ Building Code are complied with.

END OF INTERLINKING RAIL MUST BE CONNECTED TO STRUCTURAL ELEMENT

CUSTOM RAIL JOINT

REFER TO ELEVATION DRAWINGS FOR PANEL WIDTH, RAIL & BRACKET REQUIREMENTS.

MINIMUM 1000mm (all panels)

CUSTOM RAIL JOINT

LAST GLASS PANEL FUNCTIONS AS STRUCTURAL SUPPORT

FIXING SPACINGS FOR THIS PANEL AS PER DESIGN TABLE REQUIREMENTS

MIN 60mm
MAX 250mm

SINGLE DISC MB100 GLASS BALUSTRADE SYSTEM

GLASS STAMPS

NOTE:

The specifier must ensure that the handrail requirements for stairways as per the NZ Building Code are complied with.

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

TEMPAFLOAT®
Toughened Safety Glass

SAFELITE® EVA
Laminated Safety Glass

SAFELITE® STF (Sentry®)
Laminated Safety Glass with Rigid Interlayer

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