

Melville® Tandem® 90 and 180 Wall [≡]

90 Veneer	Metric (mm)	Imperial (in.)
A	90 x 67 x 201	3 9/16 x 2 5/8 x 7 7/8
B	90 x 67 x 268	3 9/16 x 2 5/8 x 10 1/2
C	90 x 67 x 335	3 9/16 x 2 5/8 x 13 3/16
D	90 x 67 x 402	3 9/16 x 2 5/8 x 15 13/16
Weight/unit (avg.)	4 kg	8 lb
Area/layer	0.98 m ²	10.53 ft ²
Area/cube	3.92 m ² 4 Rows	42.12 ft ²
Qty/cube	A = 36 B = 36 C = 36 D = 36	
Length/row	10.89 lin. m	35.64 lin. ft
Length/cube	43.56 lin. m	142.56 lin. ft
Weight/cube	550 kg	1210 lb

Code	Colour
16252291	Range Amber Beige
16251868	Range Scandina Grey
16252293	Range Shaded Grey
16251527	Rockland Black

Production location Metcalfe
 A set of 4 units = 1.17 ft²

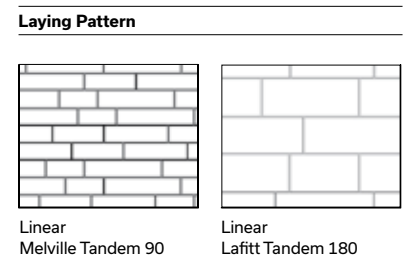
180 Veneer	Metric (mm)	Imperial (in.)
E	180 x 67 x 335	7 1/16 x 2 5/8 x 13 3/16
F	180 x 67 x 402	7 1/16 x 2 5/8 x 15 13/16
G	180 x 67 x 469	7 1/16 x 2 5/8 x 18 1/2
Weight/unit (avg.)	10 kg	21 lb
Area/layer	1.08 m ²	11.63 ft ²
Area/cube	4.32 m ² 4 Rows	46.52 ft ²
Qty/cube	E = 20 F = 20 G = 20	
Length/row	6.02 lin. m	19.75 lin. ft
Length/cube	24.08 lin. m	79.00 lin. ft
Weight/cube	634 kg	1395 lb

Code	Colour
16252289	Range Amber Beige
16251836	Range Scandina Grey
16252288	Range Shaded Grey
16251497	Rockland Black

Production location Metcalfe
 A set of 3 units = 2.32 ft²

Typical Row			
C	B	A	D
C	B	A	D
C	B	A	D
C	B	A	D
C	B	A	D
C	B	A	D
C	B	A	D
C	B	A	D
C	B	A	D
C	B	A	D

Typical Row		
F	G	E
F	G	E
F	G	E
F	G	E
F	G	E
F	G	E



Technical Information	
Product	Melville Tandem 90 and 180 Wall
Standard	ASTM C 1372
Flexural Strength	N/A
Compressive Strength	20.7 MPa
De-icing salts freeze-thaw durability	N/A
Density	2000 kg/m ²
Absorption	10.4%
Dimension Tolerance*	Length: ±3.2 mm Width: ±3.2 mm Height: ±3.2 mm

Applications: Retaining wall (by using Tandem 90 structural units and Tandem Next 180 structural units) - Double-sided wall (by using double-sided plastic connector) - Pillars (by using the Tandem Wall Grid Pillar Kit) - Steps (by using Melville Plus Step unit)
Recommended Capping units: Melville Plus Capping unit
 Additional details: See our landscaping installation guide on our website.

Tandem® Wall Accessories

Connectors

	Metric (mm)	Imperial (in.)
	63.5 x 63.5 x 2438	2 1/2 x 2 1/2 x 8
Qty/bag	200 units	200 units
Weight/bag	143 kg	315 lb

Code	Colour
70550961	Grey

Sold by full bag

Non returnable pallet

Corner Connector

	Metric (mm)	Imperial (in.)
	85 x 70	3 3/8 x 2 3/4
Qty/bag	50 units	50 units

Code	Colour
70970616	Black



Sold by full bag - 12 bags per cube

Quantity required per 90° corner: one corner connector per row

Double-Sided Plastic Connector

	Metric (mm)	Imperial (in.)
	85 x 170	3 3/8 x 6 11/16
Qty/bag	50 units	50 units

Code	Colour
70970615	Black

Quantity of connectors required:

Lafitt Tandem 90 and Melville Tandem 90

7 connectors per ft² ⁽¹⁾ - 74 connectors per m² ⁽¹⁾

Lafitt Tandem 180 and Melville Tandem 180

5.5 connectors per ft² ⁽¹⁾ - 57 connectors per m² ⁽¹⁾

⁽¹⁾ Based on one of the two sides of the double-sided wall



Sold by full bag

Recommended for curved walls

8 ft. Shelf Angle

	Metric (mm)	Imperial (in.)
	63.5 x 63.5 x 2438	2 1/2 x 2 1/2 x 8
Qty/package	15 units	15 units
Weight/package	143 kg	315 lb

Code	Colour
34355362	Grey



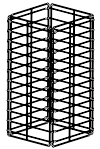
Sold by full package only

Non returnable pallet

Grid Pillar Kit

	Metric (mm)	Imperial (in.)
	1067 x 670 x 670	42 x 26 3/8 x 26 3/8
Weight/unit	23 kg	50 lb
Surface of veneer req.	2.60 m ²	28 ft ²
Qty/cube	10 units	10 units
Weight/cube	227 kg	499 lb

Code	Colour
70550661	Silver



Includes one bag of 200 connectors

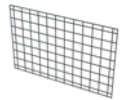
Non returnable pallet

Cannot be used with Melville and Lafitt Veneers (180)

Modular Grid Kit

	Metric (mm)	Imperial (in.)
	717 x 1077	28.23 x 42.4
Weight/unit	3.4 kg	7.5 lb
Surface of veneer req.	0.77 m ²	8.31 ft ²
Qty/cube	40 units	40 units
Weight/cube	137 kg	302 lb

Code	Colour
70550550	Silver



Includes one bag of 60 connectors, 10 screws and 10 clamps

Sold by kit

Non returnable pallet

Additional details: See our landscaping installation guide on our website.

Tandem® Wall Accessories

Connectors

	Metric (mm)	Imperial (in.)
	63.5 x 63.5 x 2438	2 1/2 x 2 1/2 x 8
Qty/bag	200 units	200 units
Weight/bag	143 kg	315 lb

Code	Colour
70550961	Grey

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Non returnable pallet

Corner Connector

	Metric (mm)	Imperial (in.)
	85 x 70	3 3/8 x 2 3/4
Qty/bag	50 units	50 units

Code	Colour
70970616	Black



Sold by full bag - 12 bags per cube

Quantity required per 90° corner: one corner connector per row

Double-Sided Plastic Connector

	Metric (mm)	Imperial (in.)
	85 x 170	3 3/8 x 6 11/16
Qty/bag	50 units	50 units

Code	Colour
70970615	Black

Quantity of connectors required:

Lafitt Tandem 90 and Melville Tandem 90

7 connectors per ft² ⁽¹⁾ - 74 connectors per m² ⁽¹⁾

Lafitt Tandem 180 and Melville Tandem 180

5.5 connectors per ft² ⁽¹⁾ - 57 connectors per m² ⁽¹⁾

⁽¹⁾ Based on one of the two sides of the double-sided wall



Sold by full bag

Recommended for curved walls

8 ft. Shelf Angle

	Metric (mm)	Imperial (in.)
	63.5 x 63.5 x 2438	2 1/2 x 2 1/2 x 8
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Weight/package	143 kg	315 lb

Code	Colour
34355362	Grey



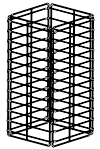
Sold by full package only

Non returnable pallet

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	1067 x 670 x 670	42 x 26 3/8 x 26 3/8
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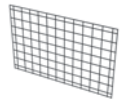
Non returnable pallet

Cannot be used with Melville and Lafitt Veneers (180)

Modular Grid Kit

	Metric (mm)	Imperial (in.)
	717 x 1077	28.23 x 42.4
Weight/unit	3.4 kg	7.5 lb
Surface of veneer req.	0.77 m ²	8.31 ft ²
Qty/cube	40 units	40 units
Weight/cube	137 kg	302 lb

Code	Colour
70550550	Silver



Includes one bag of 60 connectors, 10 screws and 10 clamps

Sold by kit

Non returnable pallet

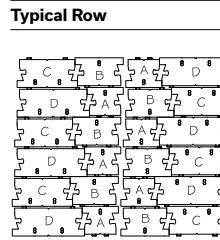
Additional details: See our landscaping installation guide on our website.

Tandem® Wall 90 mm Structural Unit

	Metric (mm)	Imperial (in.)
A	90 x 155 x 201	3 9/16 x 6 1/8 x 7 7/8
B	90 x 155 x 268	3 9/16 x 6 1/8 x 10 1/2
C	90 x 155 x 335	3 9/16 x 6 1/8 x 13 3/16
D	90 x 155 x 402	3 9/16 x 6 1/8 x 15 13/16
Weight/unit (avg.)	23 kg	51 lb
Area/layer	0.65 m ²	7.02 ft ²
Area/cube	3.91 m ² 6 Rows	42.12 ft ²
Qty/cube	A = 36 B = 36 C = 36 D = 36	
Length/row (1 to 5)	7.24 lin. m	23.75 lin. ft
Length/cube	43.44 lin. m	142.50 lin. ft
Weight/cube	1230 kg	2711 lb

Code	Colour
16259063	Grey

Production location Trois-Rivières
 For each structural unit, 1 alignment pin is included
 A set of 4 units = 1.17 ft²
 Can be double stacked



Technical Information	
Product	Tandem 90 mm Structural Wall
Standard	ASTM C 1372
Flexural Strength	N/A
Compressive Strength	20.7 MPa
De-icing salts freeze-thaw durability	N/A
Density	2000 kg/m ²
Absorption	10.4%
Dimension Tolerance*	Length: ±3.2 mm Width: ±3.2 mm Height: ±3.2 mm

The Tandem Structural units must be used with the Melville and Lafitt 90 Veneer units for retaining wall applications. Additional details specific to this product are available by consulting our landscaping installation guide on our website.