Melville® Tandem® 90 and 180 Wall

smooth

90 Veneer

A

B

C

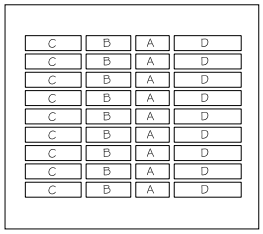
D

	Dimensions mm	Dimensions 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 m²	10.53 ft²
Area/cube	**3.92 m² 4 Rows**	**42.12 ft²**
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
16251526	Range Newport Grey
16251527	Rockland Black
16251868	Range Scandina Grey
16252291	Range Amber Beige
16252293	Range Shaded Grey

A set of 4 units = 1.17 ft²
Production location Metcalfe

Typical Row



180 Veneer

E

F

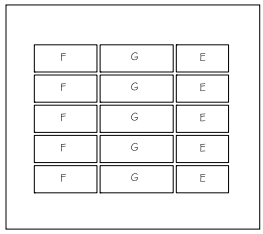
G

	Dimensions mm	Dimensions 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 m²	11.63 ft²
Area/cube	**4.32 m² 4 Rows**	**46.52 ft²**
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	605 kg	1331 lb

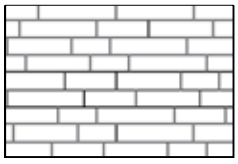
Code	Colour
16251496	Range Newport Grey
16251497	Rockland Black
16251836	Range Scandina Grey
16252289	Range Amber Beige
16252288	Range Shaded Grey

A set of 3 units = 2.32 ft²
Production location Metcalfe

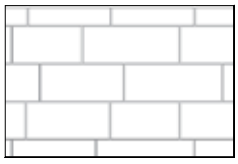
Typical Row



Laying Patterns



Melville 90 Linear
100% Melville Tandem 90



Melville 180 Linear
100% Melville Tandem 180

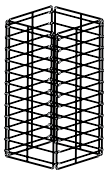
TECHNICAL INFORMATION

Product	Standard	Flexural Strength	Compressive Strength	De-icing salts freeze-thaw durability	Density	Absorption	Dimension Tolerance*
Melville Tandem 90 and 180 Wall	ASTM C 1372	N/A	20.7 MPa	N/A	2000 kg/m³	10.4%	Length: ±3.2 mm Width : ±3.2 mm Height: ±3.2 mm

Applications: Retaining wall (by using 90 mm and 180 mm Next structural units) - Double-sided wall (by using double-sided concrete or 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

Grid Pillar Kit



	Dimensions mm	Dimensions 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)

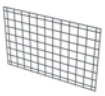
Connectors

	Dimensions mm	Dimensions in.
	63.5 x 63.5 x 2438	2 1/2 x 2 1/2 x 8
Qty/bag	**200 units**	**200 units**
Weight/package	143 kg	315 lb

Code	Colour
70550961	Grey

Sold by bag
Non returnable pallet

Modular Grid Kit



	Dimensions mm	Dimensions 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 bag
Non returnable pallet

8 ft. Shelf Angle

	Dimensions mm	Dimensions in.
	63.5 x 63.5 x 2438	2 1/2 x 2 1/2 x 8
Qty/bag	**15 units**	**15 units**
Weight/package	143 kg	315 lb

Code	Colour
34355362	Grey

Sold by full package only
Non returnable pallet

Double-Sided Plastic Connector

	Dimensions mm	Dimensions in.
	85 mm x 170 mm	3 3/8 x 6 11/16
Qty/bag	**50 units**	**50 units**

Quantity of connectors required:
Lafitt Tandem 90 and Melville Tandem 90
7 connectors per ft^2 (1) - 74 connectors per m^2 (1)
Lafitt Tandem 180 and Melville Tandem 180
5.5 connectors per ft^2 (1) - 57 connectors per m^2 (1)
(1) Based on one of the two sides of the double-sided wall

Code	Colour
70970615	Black

Sold by full bag
Recommended for curved walls

Corner Connector

	Dimensions mm	Dimensions in.
	85 mm x 70 mm	3 3/8 x 2 3/4
Qty/bag	**50 units**	**50 units**

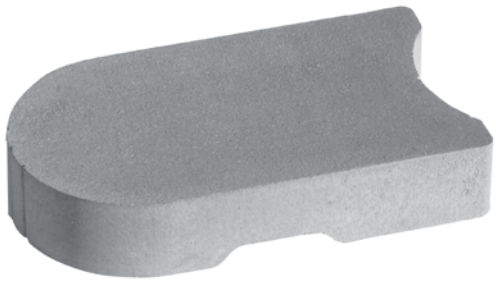
12 bags/cube
Quantity required per 90˚ corner: one corner connector per row

Code	Colour
70970616	Black

Sold by full bag

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

Tandem Wall Starter Unit

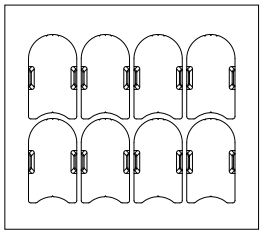


	Dimensions mm	Dimensions in.
	90 x 268 x 469	3 9/16 x 10 1/2 x 18 1/2
Weight/unit	23 kg	51 lb
Units/length	2.30 units/lin. m	0.70 unit/lin. ft
Qty/cube	**56 units** **7 Rows**	**56 units**
Weight/cube	1333 kg	2939 lb

Code	Colour
12053584	Grey

Can be double stacked
Production location Metcalfe

Typical Row



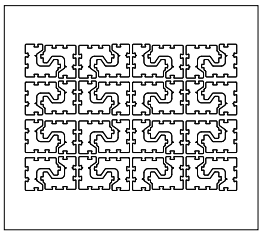
Tandem® Next Wall 180 mm Structural Unit

	Dimensions mm	Dimensions in.
	180 x 200 x 199	7 1/16 x 7 7/8 x 7 7/8
Weight/unit	9.4 kg	20.58 lb
Area/layer	1.13 m^2	12.16 ft^2
Area/cube	**4.52 m^2** **4 Rows**	**48.64 ft^2**
Length/row	6.37 lin. m	20.89 lin. ft
Length/cube	25.47 lin. m	83.57 lin. ft
Units/row	32	32
Qty/cube	128 units	128 units
Weight/cube	1316 kg	2901 lb

Code	Colour
16252752	Grey

4 bags of 37 connectors = 1 bag per row
Production location Trois-Rivières

Typical Row



Universal Connector

Code	Colour
70972062	Black

Box of 148 units
1 box of 4 bags of 37 units
72 boxes/cube

TECHNICAL INFORMATION

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

The Tandem Next Wall system 180 mm Structural Unit may be used with the 180 mm Melville and Lafitt Veneer Units for retaining wall applications.
Additional details: See our landscaping installation guide on our website.

Tandem® Wall
90 mm Structural Unit

A

B

C

D

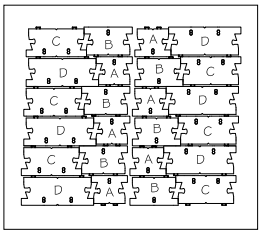
	Dimensions mm	Dimensions in.
A	90 x 155 x 201	3 9/16 x 6 1/8 x 7 7/8
B	90 x 155 x 268	3 9/16 x 6 1/8 x 10 1/2
C	90 x 155 x 335	3 9/16 x 6 1/8 x 13 3/16
D	90 x 155 x 402	3 9/16 x 6 1/8 x 15 13/16
Weight/unit (avg.)	23 kg	51 lb
Area/layer	0.65 m^2	7.02 ft^2
Area/cube	**3.91 m^2 6 Rows**	**42.12 ft^2**
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

For each structural unit,
1 aligment pin is included
A set of 4 units = 1.17 ft^2

Can be double stacked
Production location Trois-Rivières

Typical Row



TECHNICAL INFORMATION

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

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