



**ESC-VZ90**

**COMBINED PILE PROPERTIES**

SERIES	UNIT WIDTH W [in] (mm)	HEIGHT H [in] (mm)	THICKNESS t [in] (mm)	MASS [lb/ft] (kg/m)	MASS [lb/ft <sup>3</sup> ] (kg/m <sup>3</sup> )	ELASTIC SECTION MODULUS [in <sup>3</sup> /ft] (cm <sup>3</sup> /m)	TOTAL MOMENT OF INERTIA [in <sup>4</sup> /ft] (cm <sup>4</sup> /m)	ALLOWABLE BENDING MOMENT [lb-in/ft] (kNm/m)
ESC-VZ90	19.69 (500)	10.83 (275)	0.492 (12.5)	11.2 (16.7)	6.84 (33.4)	40.66 (2,186)	219 (30,060)	120,800 (44,80)

M			
L			
K			
J			
I			
H			
G			
F			
E			
D			
C			
B			
A	Initial Revision	01.05.17	JL
Issue	Revision	Date	Init

Notes:  
 All dimensions in millimeters  
 Tensile Strength of uPVC is 41MPa to ISO 17820:10  
 Impact Strength (Izod) is 9.0kJ/m<sup>2</sup> to ASTM256  
 Modulus of Elasticity is 2.620GPa  
 Vicat Softening Temperature of 80°C to ASTM 1525

ESC Client:

Distributor:

**ESC Group**  
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Project Title:



Drawing Title:

**ESC-VZ90 uPVC Vinyl Sheet Pile**

Stamp:

Signature:

**SECTION DRAWING**

Designed	Drawn	Checked	F
JLY	JLY	JLY	
Scale	Date	Job No.	
NTS	01.04.2017		1