


Used for the construction of segmental retaining walls up to 15 m in height. The proven interlocking pin system provides positive connection, flexibility, easier construction and a more durable and secure retaining system.

BLOCK TYPE				
		COMPAC		CAPPING UNIT
				
PHYSICAL PROPERTIES				
Width	mm	455	455	455
Height	mm	200	200	100
Depth	mm	305	305	254
Area per block	m ²	0,091	0,091	
Approximate mass per block	kg	38	41	18
Set Back		0,5° 4,4° 8,8°	0,5° 4,4° 8,8°	n/a
Minimum Inside Radius *	m	H x a	H x a	H x a
Minimum Outside Radius	m	1	1	1
DELIVERY INFORMATION				
Blocks per pallet		30	30	60
GENERAL PROPERTIES				
Tolerances on all dimensions	mm	± 2	± 2	± 2
Minimum Compressive Strength	MPa	21	21	21
Face Geometry		Split face	Straight	Split / Straight
Face Texture		Sculptured Rock Face	Classic Face	Sculptured / Classic

- * H = Height of wall
a = 1,5 for wall batter of 4,4°
No minimum radius applies to near vertical walls

FIBREGLASS PIN SPECIFICATIONS

Size	mm	12,7 x 133	
Short Beam Shear	MPa	44 Min.	
Flexural Strength	MPa	880 Min.	
Tolerances	mm	± 1	

Item No	Description	Unit	Quantity	Rate	Amount (R)
1	MACWALL SEGMENTAL WALL SYSTEM (Including delivery).				
1.1	MacWall blocks (Including pins). (Specify colour and type of front face finish).	m ²			
2	Surface preparation.	m ²			
3	Concrete/gravel levelling pad.	m ³			
4	REINFORCEMENT (As per Engineer's design).				
4.1	Polymeric reinforcement.	m ²			
4.2	Steel ladders.	kg			
4.3	Mesh Type 60 with 2,5/3,5mm, Class A Galvanised and PVC Coated wire to SANS 1580:2005 with specially edged positive connecting rod.	m			
4.4	Tie back anchors (including lengths, grid spacing and tie back capacity). (Specify tie back system).	No.			
5	Selected structural backfill (including placement and compaction).	m ³			
6	Drainage medium 19mm crushed stone.	m ³			

Bill of Quantities