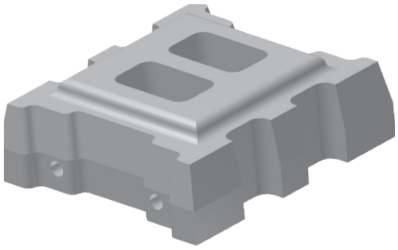
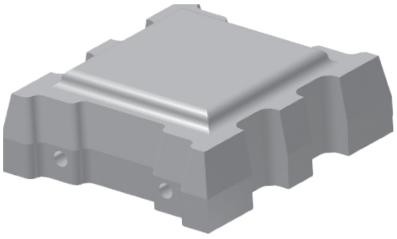
CONTECH®
ENGINEERED SOLUTIONS

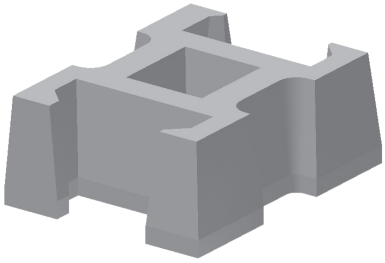
ARMORTEC® Product Details



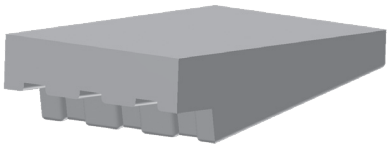
ArmorFlex® - Open Cell



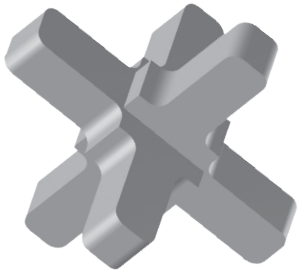
ArmorFlex® - Closed Cell



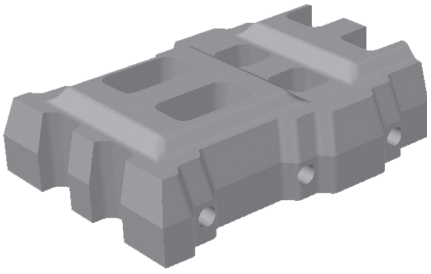
ArmorLoc®



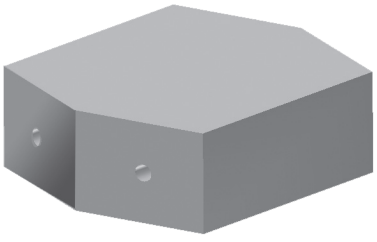
ArmorWedge®



A-Jacks®



ArmorFlex® Block and a Half®

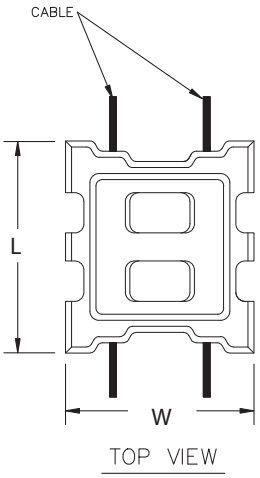


ArmorRoad®

MANUFACTURING SPECIFICATION
ASTM D6684-04

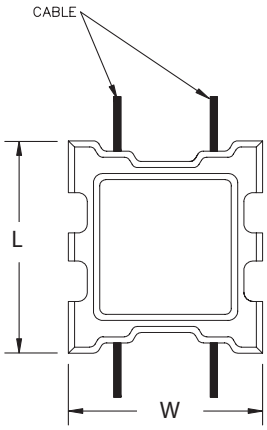
ARMORTEC®
Erosion Control Solutions

ArmorFlex® (not to scale)



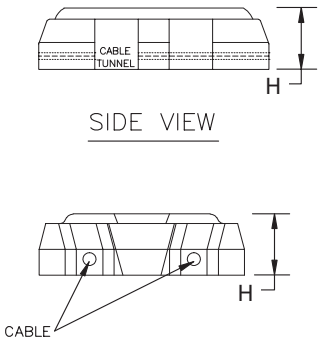
TOP VIEW

Open Cell Block

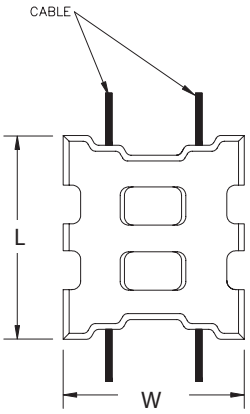


TOP VIEW

Closed Cell Block

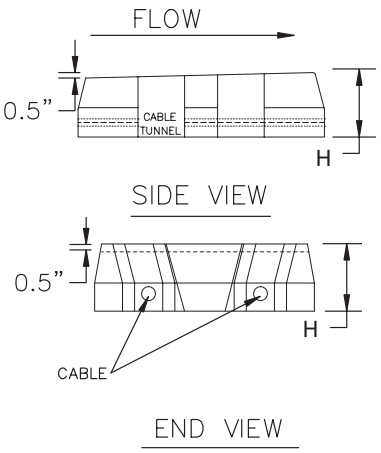


END VIEW



TOP VIEW

Tapered Series



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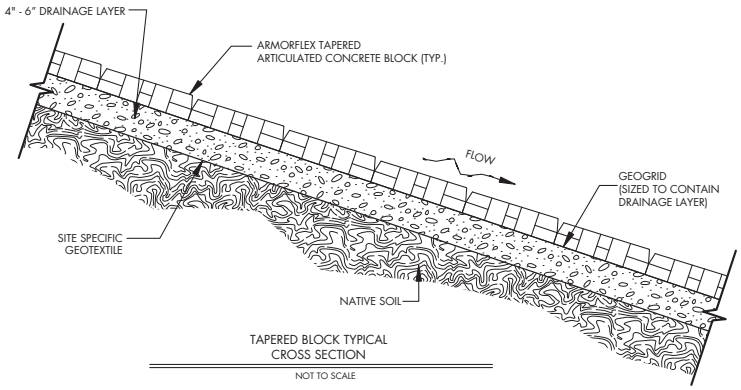
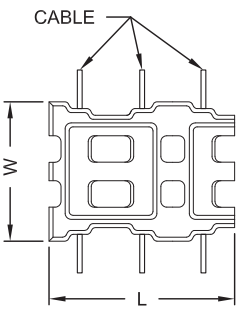
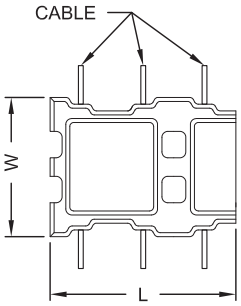


Tapered Series - Cross Section

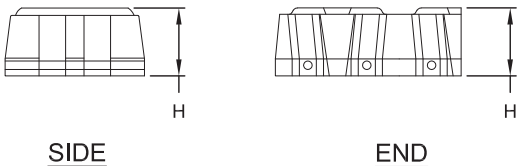
ArmorFlex® Block and a Half® (not to scale)



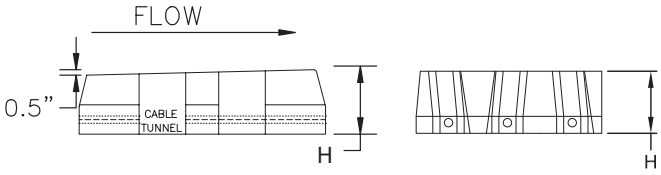
Open Cell Block



Closed Cell Block

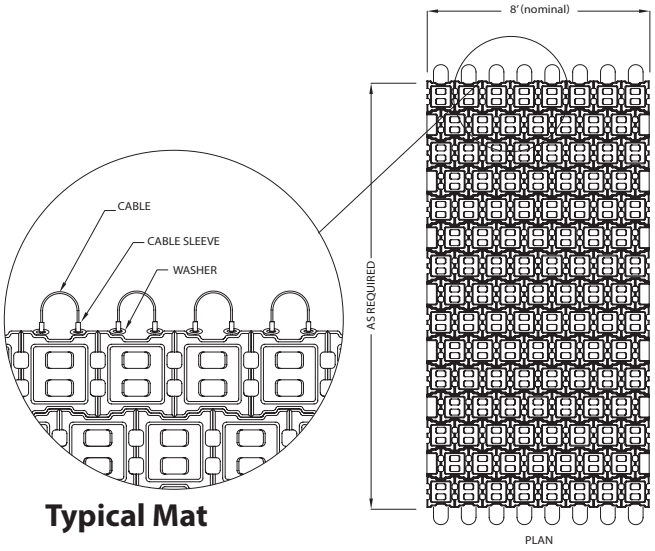


Standard Block and a Half

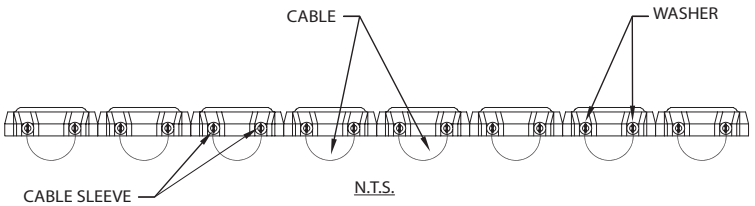


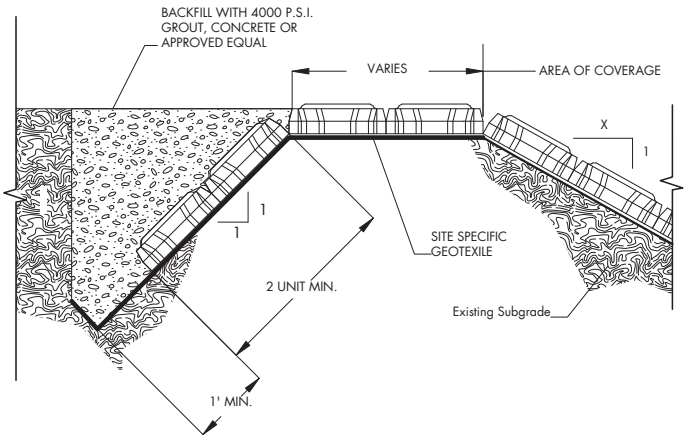
Tapered Block and a Half

ArmorFlex® cont. (not to scale)



Typical Mat



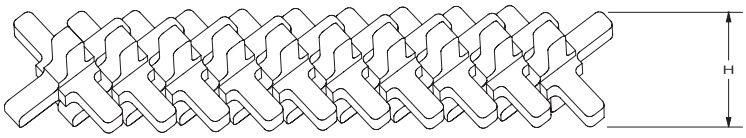


Top of Slope - Standard Detail

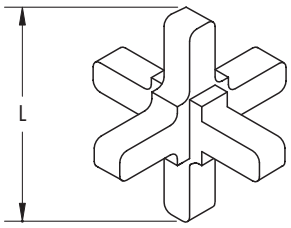
ArmorFlex Unit Specification

Concrete Block Class	Open/Closed Cell	Nom. Dimensions (in.)			Gross Area/ (sq. ft.)	Min. Block Weight		Open Area %
		L	W	H		lbs	lbs/sq. ft.	
30S	Open	13	11.6	4.75	0.98	33	35	20
50S	Open	13	11.6	6	0.98	42	50	20
40	Open	17.4	15.5	4.75	1.77	59	40	20
50	Open	17.4	15.5	6	1.77	76	50	20
70	Open	17.4	15.5	8.5	1.77	108	70	20
40L	Open	17.4	23.6	4.75	2.58	97	40	20
50L	Open	17.4	23.6	6	2.58	116	50	20
70L	Open	17.4	23.6	8.5	2.58	174	70	20
45S	Closed	13	11.6	4.75	0.98	39	45	10
55S	Closed	13	11.6	6	0.98	50	55	10
45	Closed	17.4	15.5	4.75	1.77	71	45	10
55	Closed	17.4	15.5	6	1.77	91	55	10
85	Closed	17.4	15.5	8.5	1.77	136	85	10
45L	Closed	17.4	23.6	4.75	2.58	109	45	10
55L	Closed	17.4	23.6	6	2.58	138	55	10
85L	Closed	17.4	23.6	8.5	2.58	207	85	10
High Velocity Application Block Classes								
40-T	Open	17.4	15.5	4.75	1.77	58	40	20
50-T	Open	17.4	15.5	6.00	1.77	75	50	20
70-T	Open	17.4	15.5	8.50	1.77	109	70	20

A-Jacks® (not to scale)



A-Jacks Placement Profile



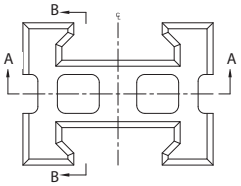
A-Jacks Unit

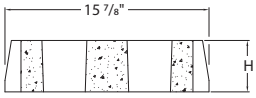
A-Jacks Unit Specification

A-JACKS	L(FT)	H(FT)	WT (LBS)
AJ-24	2	1.5	78
AJ-48	4	3.0	629
AJ-72	6	4.5	2,120
AJ-96	8	6.0	5,022
AJ-120	10	7.5	9,699

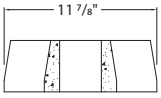
ArmorLoc® (not to scale)

3510 Model



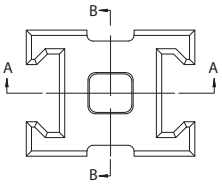


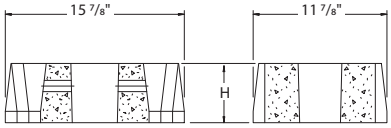
SECTION A
N.T.S.



SECTION B
N.T.S.

4511 & 5011 Models





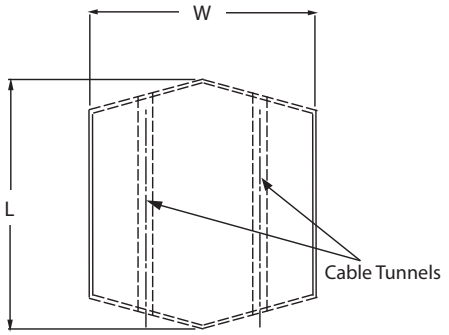
SECTION A
N.T.S.

SECTION B
N.T.S.

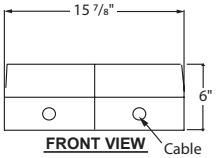
ArmorLoc Unit Specification				
	DIMENSIONS AND WEIGHTS			
BLOCK	Thickness H (in.)	Gross Area/ Grid ft²	Min. Block Weights	Open Area %
3510	4	1.0	30	25
4511	5.25	1.1	45	20
5011	6	1.1	50	20

Open-cell block shown. Closed-cell block also available.

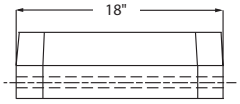
ArmorRoad® (not to scale)



TOP VIEW



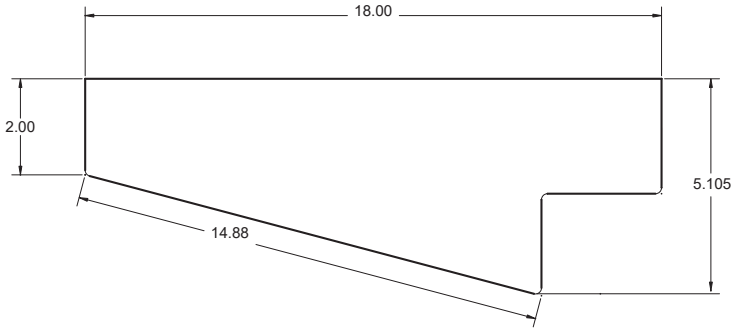
FRONT VIEW



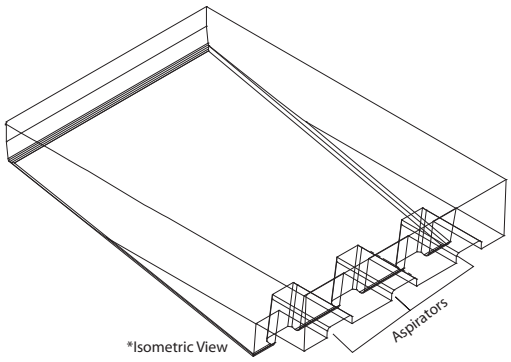
SIDE VIEW

ArmorRoad Unit Specification				
BLOCK	L	W	H	MIN. UNIT WEIGHT (LB/SF)
Mat	18.00	15.60	6.00	60

ArmorWedge® (not to scale)



Side View - Typical Block



ArmorWedge Unit Specification			
UNIT DIMENSION (IN.)	UNIT WEIGHT (LBS/ FT²)	SYSTEM WEIGHT (LBS/ FT²)	UNIT COVERAGE (SF)
12x18	130-140	54-59	1.1875

ARMORTEC Minimum Physical Requirements per ASTM D6684					
MIN. DENSITY (IN AIR) LBS/FT³		MIN. COMPRESSIVE STRENGTH PSI		MAX WATER ABSORPTION LBS/FT³	
Ave. of 3 Units	Individual Unit	Ave. of 3 Units	Individual Unit	Ave. of 3 Units	Individual Unit
130	125	4,000	3,500	9.1	11.7

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