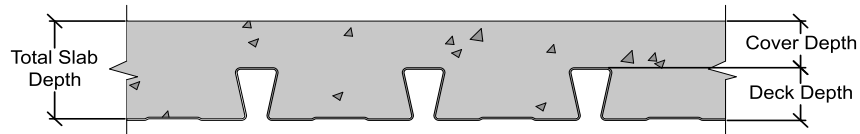


# VULCRAFT® COMPOSITE DECKS with BEKAERT DRAMIX® STEEL FIBERS



## Minimum Reinforcing Options for Temperature and Shrinkage

### Recommended Reinforcing for Temperature and Shrinkage

Cover Depth (in.)	Min. $A_s$ for T&S (in. <sup>2</sup> )	WWR	(OR)	Bekaert Dramix® Steel Fiber
				Alternate to WWR (lb/yd <sup>3</sup> )
				3D 65/60BG
<b>Normal Weight Concrete (145 pcf)</b>				
2	0.028	6x6-W1.4xW1.4		27
2¼	0.028	6x6-W1.4xW1.4		25
2½	0.028	6x6-W1.4xW1.4		22
2¾	0.028	6x6-W1.4xW1.4		20
3	0.028	6x6-W1.4xW1.4		19
3¼	0.029	6x6-W2.1xW2.1		18
3½	0.032	6x6-W2.1xW2.1		18
3¾	0.034	6x6-W2.1xW2.1		18
4	0.036	6x6-W2.1xW2.1		18
4¼	0.038	6x6-W2.1xW2.1		18
4½	0.041	6x6-W2.1xW2.1		18
4¾	0.043	6x6-W2.9xW2.9		18
5	0.045	6x6-W2.9xW2.9		18
<b>Light Weight Concrete (110 pcf)</b>				
2	0.028	6x6-W1.4xW1.4		42
2¼	0.028	6x6-W1.4xW1.4		34
2½	0.028	6x6-W1.4xW1.4		30
2¾	0.028	6x6-W1.4xW1.4		26
3	0.028	6x6-W1.4xW1.4		23
3¼	0.029	6x6-W2.1xW2.1		22
3½	0.032	6x6-W2.1xW2.1		22
3¾	0.034	6x6-W2.1xW2.1		22
4	0.036	6x6-W2.1xW2.1		22
4¼	0.038	6x6-W2.1xW2.1		22
4½	0.041	6x6-W2.1xW2.1		22
4¾	0.043	6x6-W2.9xW2.9		22
5	0.045	6x6-W2.9xW2.9		22

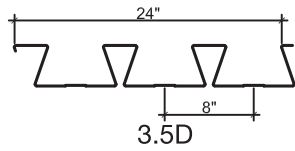
#### Notes:

1. FRC reinforcement is based on IAPMO UES ER-497 and ER-465.
2. Dramix® fibers may be used in UL or ULC fire rated assemblies in lieu of WWR. See UL file R19307 for additional information.

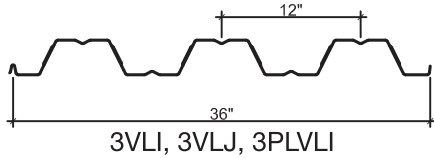
For information on Bekaert Dramix® fibers contact 770-514-2295 or [infobuilding@bekaert.com](mailto:infobuilding@bekaert.com).

# VULCRAFT® COMPOSITE DECKS with BEKAERT DRAMIX® STEEL FIBERS

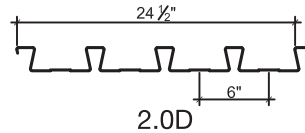
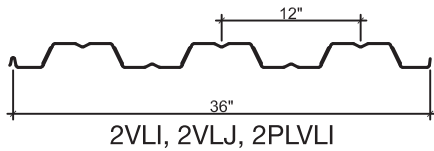
## 3½" Deep Decks



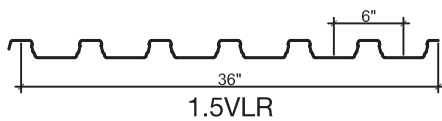
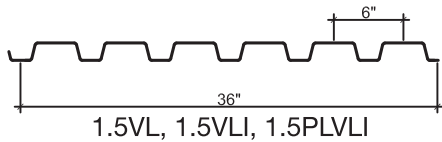
## 3" Deep Decks



## 2" Deep Decks

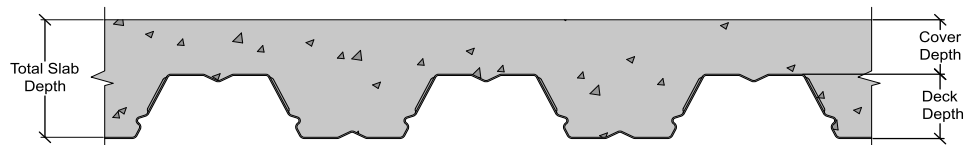


## 1½" Deep Decks



## Composite Deck Slab

Total Slab Depth (in.)	Cover Depth (in.)			
	3½" Deep Decks	3" Deep Decks	2" Deep Decks	1½" Deep Decks
	<b>Vulcraft Composite Decks</b>			
	3.5D	3VLI, 3VLJ, 3PLVLI	2VLI, 2VLJ, 2PLVLI, 2.0D	1.5VL, 1.5VLI, 1.5PLVLI, 1.5VLR
3 1/2	-	-	-	2
3 3/4	-	-	-	2 1/4
4	-	-	2	2 1/2
4 1/4	-	-	2 1/4	2 3/4
4 1/2	-	-	2 1/2	3
4 3/4	-	-	2 3/4	3 1/4
5	-	2	3	3 1/2
5 1/4	-	2 1/4	3 1/4	3 3/4
5 1/2	2	2 1/2	3 1/2	4
5 3/4	2 1/4	2 3/4	3 3/4	4 1/4
6	2 1/2	3	4	4 1/2
6 1/4	2 3/4	3 1/4	4 1/4	4 3/4
6 1/2	3	3 1/2	4 1/2	5
6 3/4	3 1/4	3 3/4	4 3/4	5 1/4
7	3 1/2	4	5	5 1/2
7 1/4	3 3/4	4 1/4	5 1/4	5 3/4
7 1/2	4	4 1/2	5 1/2	6
7 3/4	4 1/4	4 3/4	5 3/4	6 1/4
8	4 1/2	5	6	6 1/2



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