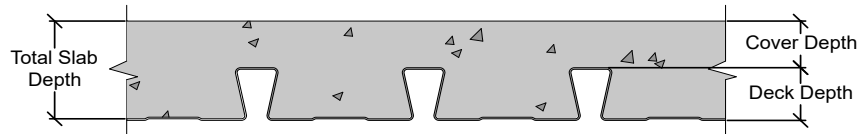


# VULCRAFT® COMPOSITE DECKS with BEKAERT DRAMIX® STEEL FIBERS



## 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

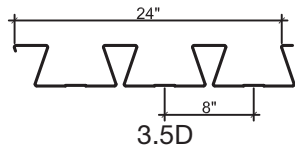
#### Notes:

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.

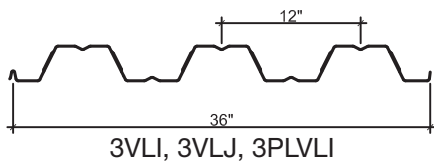
For information on Bekaert Dramix® fibers contact 770-514-2295 or [infobuilding@bekaert.com](mailto:infobuilding@bekaert.com).

# VULCRAFT® COMPOSITE DECKS with BEKAERT DRAMIX® STEEL FIBERS

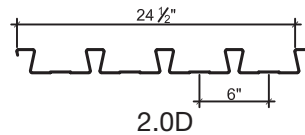
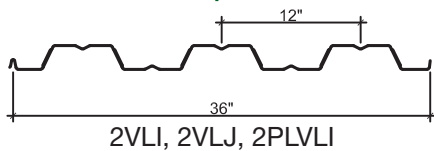
## 3½" Deep Decks



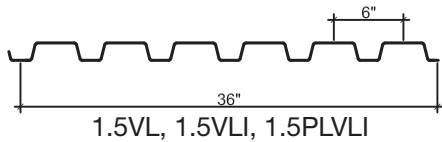
## 3" Deep Decks



## 2" Deep Decks

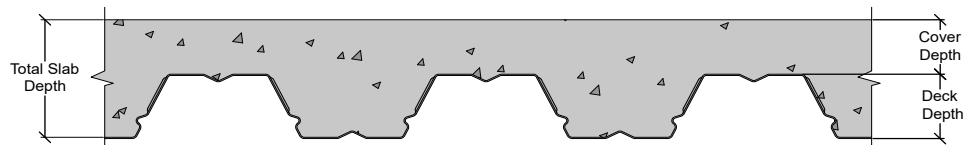


## 1½" Deep Decks



## 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



NOTICE: Design defects that could cause injury or death may result from relying on the information in this document without independent verification by a qualified professional. The information in this document is provided "AS IS". Nucor Corporation and its affiliates expressly disclaim: (i) any and all representations, warranties and conditions and (ii) all liability arising out of or related to this document and the information in it.

NUCOR, VULCRAFT, VERCO, and FORMLOK are registered trademarks of Nucor. DRAMIX is a registered trademark of Bekaert.