

# UltraFiber 500 and UltraFiber 302 Blend Dosage Rate

This is not a design guide but a comparison guide to review options for secondary reinforcement

<b>Light Duty 4" &amp; 5" Slabs on Grade Max Joint Spacing 30 times the thickness</b>						
<b>Based on ACI unreinforced concrete requiring plastic and temp shrinkage control</b>						
	<u>Welder Wire Fabric (WWF)/light rebar</u>		<u>UltraFiber 500</u>	<u>UltraFiber 302 Blend</u>		<u>Macro</u>
Residential	6x6 - w1.4 x w1.4	6x6 - 10x10	1 to 1.5 lbs. per cy	N/A	N/A	N/A
Residential	6x6 - w2.0 x w2.0	6x6 - 8x8	1 to 1.5 lbs. per cy	N/A	N/A	N/A
Decorative	N/A		1 to 1.5 lbs per cy	1 bag	16.5 lbs.	N/A
Light Com	6x6 - w2.9 x w2.9	6x6 - 6x6	2 to 3 lbs. per cy	1 bag	16.5 lbs.	4 lbs/cy
CMD	up to 6x6 -w2.9 x w2.9		2 lbs. per cy	1 bag	16.5 lbs.	4 lbs/cy
ACI Building	4x4 - w4.0 x w4.0	4x4 - 4x4	3 to 4 lbs. per cy	1 bag	16.5 lbs.	6 lbs/cy
Pavement	4x4 - w4.0 x w4.0	4x4 - 4x4	4 lbs. per cy	1 bag	16.5 lbs.	6 lbs/cy
Temp Steel	#3's and #4's on 18" or 24" Centers		4 lbs. per cy	1 bag	16.5 lbs.	6 lbs/cy
Toppings < 2"	N/A		2 lbs. per cy	N/A		N/A
<b>Medium Duty 5" to 7" Slabs on Grade Max Joint Spacing 15' Direct contact or on vapor barrier - per ACI</b>						
	<u>Welded Wire Fabric (WWF)/light rebar</u>		<u>UltraFiber 500</u>	<u>UltraFiber 302 Blend</u>		<u>Macro</u>
Slabs	6 gage and 10 gage *		4 lbs. per cy	1 bag	16.5 lbs.	5-6 lbs /cy
ACI Building Slab	4x4 - w4.0 x w4.0		N/A	1 bag	16.5 lbs.	6 -9 lbs/cy
Decroative	N/A		2 to 3 lbs per cy	1 bag	16.5 lbs.	N/A
Pavements	4x4 - w4.0 x w4.0		N/A	1 bag	16.5 lbs.	6-9 lbs/cy
Temp Steel	#3's and #4's on 24" centers		4 lbs. per cy	1 bag	16.5 lbs.	6-9 lbs/cy
Temp Steel	#3's and #4's on 18" centers		N/A	1 bag	16.5 lbs.	6-9 lbs/cy
Toppings > 1.5"	N/A		2 to 3 lbs per cy	1 bag	16.5 lbs.	6-9 lbs/cy
CMD per SDI	6x6 - w2.9 x w2.9		2 lbs. UL Fire/PDS	UltraFiber DeckBlend (26 lbs)		4 lbs/cy ?
<b>Control Plastic Shrinkage for any structural concrete</b>						
<u>Thickness</u>	<u>Welded Wire Fabric (WWF)</u>		<u>UltraFiber 500</u>	<u>UltraFiber 302 Blend</u>		<u>Macro</u>
4" to 5"	N/A		1.5 lbs/ cy	N/A		N/A
6" to 8"	N/A		2.0 lbs /cy	N/A		N/A
> 8"	N/A		3.0 lbs /cy	1 bag	16.5 lbs.	5 lbs/cy

Please consult your Solomon Colors, Inc. Representative as to product selection and use.

PDS = Plastic Drying Shrinkage

\* If only for Plastic Shrinkage and normal concrete shrinkage use UF500 - blend or macro use with higher shrinkage concrete requiring additional post hardened crack retention

Macro fibers solutions will require additional admixture to add slump for workability and ask manufacture for finishing tips