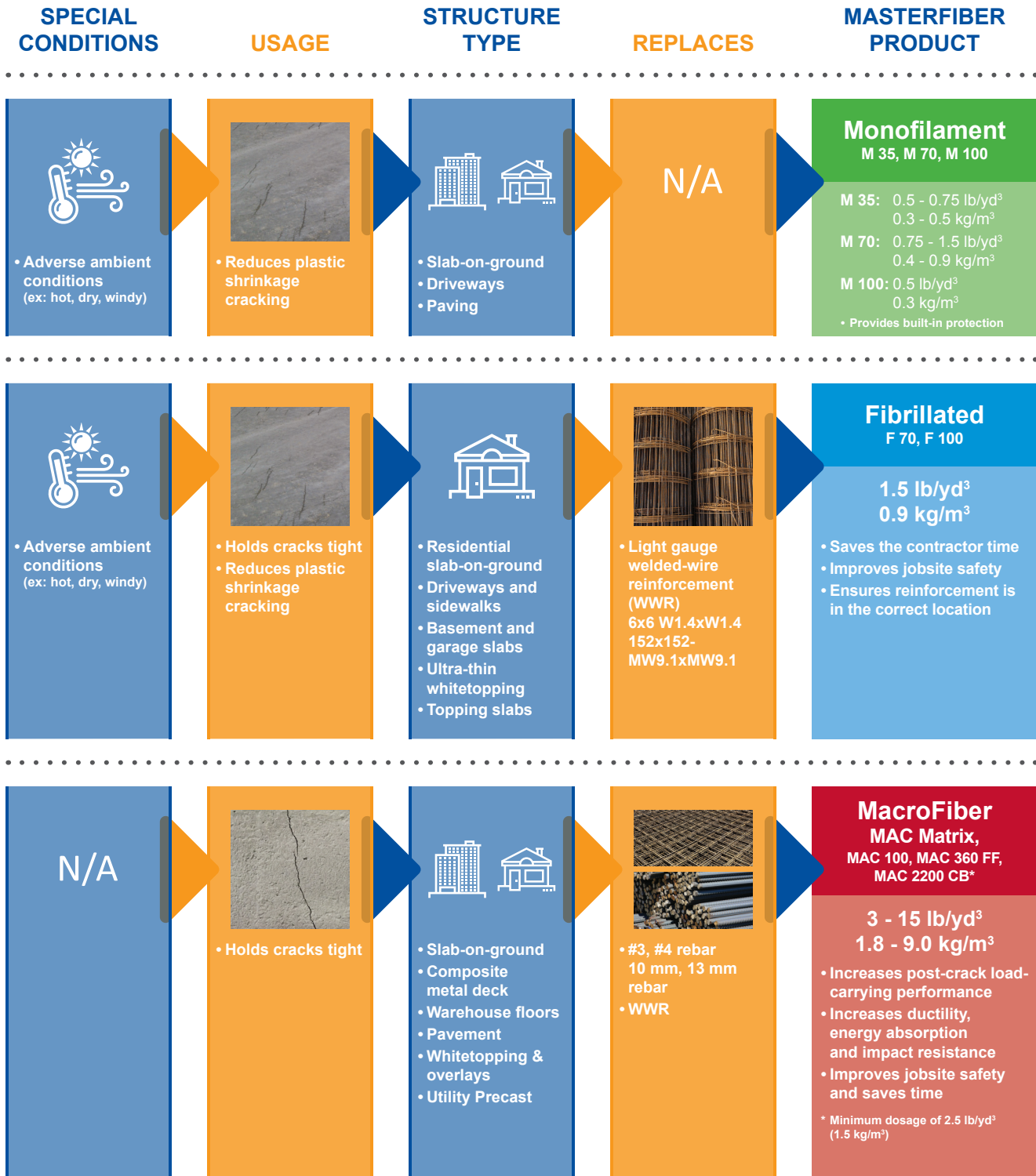


# MasterFiber<sup>®</sup> Selection Guide



# MasterFiber MAC Matrix, MAC 100, MAC 360 FF

Fiber dosage for replacing WWR for slab-on-ground, lb/yd <sup>3</sup>										
		6 x 6				4 x 4				
Slab thickness (in.)	Concrete Compressive strength (psi)	W2.0xW2.0 (8/8)	W2.1xW2.1	W2.9xW2.9 (6/6)	W4.0xW4.0 (4/4)	W1.4xW1.4 (10/10)	W2.0xW2.0 (8/8)	W2.9xW2.9 (6/6)	W4.0xW4.0 (4/4)	
4	3000	3			4.5	3		5	3	
	3500				4			4.5		NA
	4000				3.5			4		
5	3000				3.25			3.5		5.5
	3500				3			3.25		5
	4000				3			3		4.5
6	3000									4.5
	3500									4
	4000									3.5
7	3000									3.5
	3500			3.25						
	4000			3						
8	3000									
	3500									
	4000									
10	3000									
	3500									
	4000									

For specified welded-wire reinforcement (fy = 65 ksi) located in top third of slab

Fiber dosage for replacing rebar for slab-on-ground, lb/yd <sup>3</sup>																											
		#3 Rebar				#4 Rebar																					
Slab thickness (in.)	Concrete Compressive strength (psi)	On Center Spacing				On Center Spacing																					
		9"	12"	15"	18"	12"	15"	18"	24"																		
4	3000	3			4.5	3.5	3		3	5.25																	
	3500				NA	NA				4	3.25	NA	NA	NA	4.75												
	4000									3.75	3				4.25												
5	3000				NA	4.5				3.5	3			3	3	4											
	3500					4				3						NA	NA	NA	3.5								
	4000					3.75				3									3.25								
6	3000				5.25	3.5				3								3	3	3	4.5						
	3500				4.75	3.25															NA	NA	4				
	4000				4.25	3																	3.75				
7	3000				4.5	3																	3	3	3	3	4.75
	3500	4	NA	4.75	3.75																						
	4000	3.5		4.25	3.25																						
8	3000	3.5	3				3	3	3																		3
	3500	3.25									5.25	4	3.5														
	4000	3									4.75	3.5															
10	3000	3												3	3												
	3500									4						3.5											
	4000									3.25																	

For specified rebar (fy = 60 ksi) located in top third of slab

PLASTIC-SHRINKAGE CRACK	TEMPERATURE CRACKING	DRYING SHRINKAGE CRACKING
A surface crack that occurs in concrete before initial set.	Cracking caused by temperature drop in members subjected to external restraints or by temperature differential in members subjected to internal restraints (also called thermal cracking).	Cracking caused by restraint to volume change due to loss of moisture from hardened concrete.

\* For MasterFiber MAC 2200CB dosage contact your local Master Builders Solutions representative.