

Five Star® Technical Services  
 Mix water requirements, measured in quarts



<b>CEMENTITIOUS GROUTS</b>	<b>lbs.</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Notes</b>
Five Star® Grout	50	3.5	5.5	
Five Star® Grout	100	7.0	11.0	
Five Star® High Strength Grout	50	2.25	3.0	
Five Star® High Strength Grout	100	4.50	6.0	
Five Star® Fluid Grout 100	55	4.0	+	To consistency 20 -30 seconds
Five Star® HTR Grout	50	3.0	3.5	
Five Star® Instant Grout	55	3.0	3.5	
Five Star® Special Grout 110	100	7.0	11.0	
Five Star® Special Grout 120	100	7.0	11.0	
Five Star® Special Grout 150	100	7.0	11.0	
Five Star® Special Grout 400	49	6.0	6.5	Refer to PTI guide spec for modified flow cone
Five Star® Special Grout 550	100	7.0	11.0	
FSP Construction Grout	50	2.5	3.5	
NBEC	55	3.0	4.0	

<b>STRUCTURAL CONCRETE REPAIR</b>	<b>lbs.</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Notes</b>
Five Star® Structural Concrete	50	2.5	3.0	
Five Star® Structural Concrete ES	50	2.5	3.0	
Five Star® Structural Concrete S300	50	2.25	3.0	
Five Star® Structural Concrete V/O	50	3.0	4.0	
Five Star® Structural Concrete Gunitite	50	1.75	2.25	
Five Star® Structural Concrete Gunitite WP	50	2.25	3.0	
Five Star® Structural Concrete Gunitite S300	50	1.75	2.50	
Five Star® Structural Concrete HTR Shotcrete	50	2.50	3.5	
Five Star® Structural Concrete HTR	50	1.75	2.25	
Five Star® Structural Concrete Underwater HP	50	3.0	3.5	
Five Star® Structural Concrete Underwater PG	50	3.0	4.0	

+ Only add that amount of water necessary to achieve a 20-30 second flow / ASTM C 939

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<b>INFRASTRUCTURE/ COMMERCIAL</b>	<b>lbs.</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Notes</b>
Five Star® Concrete Patch	50	2.25	3.0	
Five Star® Vertical Patch	50	2.50	3.0	
Five Star® Rapid Patch	50	2.25	3.0	
Five Star® Highway Patch	50	2.25	3.0	
Five Star® Highway Patch L	50	*	*	* Five Star Polymer Liquid 3 – 4 quarts liquid only
Five Star® Shotcrete	50	1.75	2.5	
Five Star® Shotcrete WP	50	2.25	3.0	
Five Star® Shotcrete WP/FS	50	2.25	3.0	
Five Star® Highway Patch Cement	94	**	**	
Five Star® Fast Set Cement	94	**	**	
Five Star® Fast Set Cement L*	94	***	***	

<b>COATINGS</b>	<b>lbs.</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Notes</b>
Five Star® Waterproofing	50	1.5 + 1.5	2.0 + 2.0	2.0 Water + 2.0 Five Star® Liquid
Five Star® Cement Coat	65	7.0	9.0	
Five Star® AC Coat	16	1.0	1.5	

- 1) All the products above should be mixed to a recommended consistency.
- 2) Cement grouts may use less than minimum posted water for hand pack consistency.

\*\* Water requirements for Five Star® Cement Systems are typically based upon project specific mix designs with water-cement ratios ranging from 0.30 to 0.45 (maximum); also available in 2500 lb bulk sacks.

\*\*\* In accordance with ACI 301, 4.3.1 for production of latex modified concrete, use 3.5 gallons / per sack of cement of Dow Modifier A latex or equivalent, plus additional water if necessary to adjust slump; not to exceed a water-cement ratio of 0.40; also available in 2500 lb sacks.

**Contact Five Star® Technical Services for more information**