

## COMPARATIVE RHEOLOGY DATA FOR FRITZ CEMENT DISPERSANTS

**SLURRIES:**

Class H Cement  
0.75% Dispersant  
NaCl  
4.3 gal. water/sk

**Fresh Water**

700 grams  
5.25 grams  
0.0 grams  
266 grams

**18% Salt**

700 grams  
5.25 grams  
47.9 grams  
266 grams

**Saturated Salt**

700 grams  
5.25 grams  
98.4 grams  
266 grams

Dispersant	Atm. Vis.		Rheology						Atm. Vis.		Rheology						Atm. Vis.		Rheology							
	i	f	(No. 1 Spring)						i	f	(No. 1 Spring)						i	f	(No. 1 Spring)							
	600	300	200	100	6	3			600	300	200	100	6	3			600	300	200	100	6	3				
	<b>Fresh Water @ 80°F</b>						<b>18% Salt @ 80°F</b>						<b>Saturated Salt @ 80°F</b>													
NC-S-1	1	3	62	24	14	6	5	1	3	4	82	40	27	15	3	3	6	10	144	87	70	49	35	32		
SC-8	5	9	61	24	13	5	1	1	6	9	71	33	21	10	1	1	5	9	95	47	38	16	1	1		
SC-9	4	6	72	33	20	10	1	1	5	6	84	41	27	14	3	1	6	7	99	52	35	18	2	2		
	<b>Fresh Water @ 140°F</b>						<b>18% Salt @ 140°F</b>						<b>Saturated Salt @ 140°F</b>													
NC-S-1	4	7	44	18	10	4	1	1	1	5	70	37	27	18	10	11	1	4	79	44	34	22	13	13		
SC-8	5	10	46	18	11	4	1	1	5	6	55	26	17	9	2	2	5	9	63	29	20	11	2	2		
SC-9	3	4	53	23	13	6	1	1	6	6	59	29	19	11	1	1	6	7	70	35	23	12	2	2		
	<b>Fresh Water @ 180°F</b>						<b>18% Salt @ 180°F</b>						<b>Saturated Salt @ 180°F</b>													
NC-S-1	2	5	41	15	9	3	1	1	4	12	GELLED						4	4	61	33	24	15	8	8		
SC-8	5	9	41	15	9	4	1	1	5	9	50	25	18	11	5	5	6	7	52	25	17	9	3	3		
SC-9	3	4	49	19	12	6	1	1	5	5	49	22	15	9	2	2	5	5	56	27	18	11	3	3		

FRESH WATER THICKENING TIME API Sch. 5G @ 125°F, H:MM

NC-S-1           6:45  
SC-8             4:30  
SC-9             7:01

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