

## Document # DGI-0105-7035

		NeoSuperSlurry Systen	n (PN: E0105	-350-017) Sp	ecifications*		
		Description	Unit	Service Temp Range (° F)	Slurry & Cement Plug Properties		
Cement blend composition: API Class H (HSR),							
high shear bond expanding agent, fluid loss			NA	70 - 350	NA		
igent, an	gent, and numerous proprietary surfactants						
ind admixes.							
Density			ppg	NA	16.8 - 17.2		
hickenin	g time	e	hours	70 - 350	3.0 - 4.0		
Gel Time			hours	70 - 350	3.5 - 4.5		
ecomme	nded	max dwell time at the dumping					
lepth while still being dumpable from bailer			minutes	70 - 350	60		
assumes	200 fp	om descent rate)					
Free water		%	70 - 350	Trace or Zero and no sign of settling or channeling.			
500 psi tin	ne		hours	70 - 350	≤5		
aggable v	with V	VL toolstring time	hours	70 - 350	≤6		
4 hr shea	ar bon	d strength	equal to the SBS values shown in Fig #1 ±15%				
4 hr Crus	4 hr Crush Test Compressive Strength			70 - 350	≥ 2,800		
2 hr Crush Test Compressive Strength		psi	70 - 350	≥ 3,250			
* These sp	ecifica	ations assume that the cmt slurry is n	Fig #1	according to Neo	Products recommended best practices		
Shear Bond Strength at Plug Setting Depth vs Temperature					erature		
	450 —						
4	400						
(d)	350 —	NeoSuperSlurry (24 hour test)					
sd) i	300 —	Neosup	ersiurry (24 nour	test)			
ngth							
trei	250						
ond Strength (psid)	200 —						
8	150 —	Dlug Longth Dequired for AD C T					
Shear Bo	100	Plug Length Required for ΔP & T $l(ft) = 2 \times \Delta P \times ID$ (in) x Fdev					
<u>s</u>	100						
	50		$l(ft) = 2x \frac{14818(00) \times 1400}{48x SBS}$				
	0 —		200 225 erature at Plug Sett	250 275	5 300 325		

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F dev = 1.0 @ 0° deviation, 1.2 @ 30°, 1.6 @ 60°, 2.0 @ 70°

NeoProducts prudently recommends; read and comply with all the slurry mixing instructions included in the kit <u>on every dump run</u>, locate the bailer bottom to be 1-2ft above the platform upon which the slurry will collect, "never dump less than 10 ft of cement slurry when a long-term high ΔP plug is desired".

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