P-SRL

CEMENTING SERVICE BULLETIN

1/10/22

P-SRL (SYNTHETIC RETARDER LIQUID)

TECHNICAL DATA

P-SRL is a low to medium temperature cement retarder liquid for slurries designated for use up to 300^{0}F.

P-SRL disperses easily in water and can be used with either fresh or sea water.

Once dispersed in water, P-SRL is compatible with all of the commonly used cements and cement additives. The concentration span of P-SRL is ~0.01 to 0.5 Gallons per sack of cement.

As a general guide, P-SRL used at 0.05 GPS of Class "H" cement mixed with fresh water at 16.2 PPG should provide ~4:00 HRS: MINS of thickening time at a BHCT of ~220^{0}F. However, specific thickening time data for any given cement slurry design must be confirmed in an API laboratory test with the actual cement, mix water and other additives (prior to the cement job being pumped).

PROPERTIES

PRODUCT	FORM	SP. GR.	PACKAGING
P-SRL	BROWN LIQUID	1.10	36 X 5 GAL. PAILS/PALLET

(P-SRL - SYNTHETIC RETARDER LIQUID) GUIDE FOR USE OZ./2,000 LBS. SUPER SACK OF CEMENT (128 OZ./GALLON)

TEMP (^{0}F)	OZ. / 2,000 LB. SUPER SACK OF CEMENT	THICKENING TIME	COMPRESSIVE STRENGTH (HRS.)		
			PRIMARY SET	600 PSI	2100 PSI
90-115	NONE	3:30-4:00	8 hr.	16 hr.	24 hr.
115-130	22	3:30-4:00	6 hr.	12 hr.	24 hr.
130-145	37	3:30-4:00	10 hr.	12 hr.	24 hr.
145-160	52	3:30-4:00	9 hr.	11 hr.	24 hr.
160-175	67	3:30-4:00	8 hr.	12 hr.	24 hr.
175-220	154	3:30-4:00	11 hr.	13 hr.	24 hr.

*** TDS GUIDE – API REQUIRES LABORATORY CONFIRMATION TESTING**

SAFETY

Please read the P-SRL SDS before use.

The data provided is to be used only as a guide. Subsequently, each job is to be designed and tested in the laboratory with the actual water, cement and additives intended for the job, and similar mixing energy is to be duplicated in the field.

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