

PVA-80

APPLICATION

- Intermediate and Production Casing
- Liner
- Squeeze
- Plug and Abandonment
- Temperature range: 10°C - 50°C
- Dry blend only

BENEFITS

- Consistent performance
- Economical

FEATURES

- Low fluid loss values
- Non-retarding
- CaCl₂ compatible
- Typical loadings: 0.4 - 0.6%

PHYSICAL PROPERTIES

APPEARANCE	White powder
TYPE	Commodity
PRE-HYDRATE	NO

SAFETY & HANDLING

WHMIS	Not controlled
TDG	Non-regulated
PACKAGING	22.7 kg bags

DESCRIPTION

As the cement slurry is pumped across a permeable formation it is exposed to a differential pressure. The formation acts as a filter medium allowing water (filtrate) to pass through leaving behind cement particles. Insufficient fluid loss control can cause excess filtrate resulting in an increase in slurry viscosity, higher pump pressures or in severe cases prevent proper slurry placement in both primary and remedial cementing operations.

Proper fluid loss control will improve the overall performance of the cement job by preserving the designed slurry properties. This ensures proper cement placement, improved cement bonding, predictable thickening times while maintaining the compressive strength and mechanical properties.

PVA-80 (polyvinyl alcohol) is a fluid loss additive used in oil well cementing to minimize the dehydration rate of the cement slurry and maintain desired properties for placement in the wellbore and proper hydration. PVA is a film forming type fluid loss control and works by depositing a thin barrier across the permeable formation during cementing operations thus preventing excess filtration loss to the formation.

TECHNICAL DATA: 0-1-0 "G"

TEMP °C	DENSITY Kg/m ³	PVA-80 %	CaCl ₂ %	LTR %	RHEOLOGY				FLUID LOSS A.P. I
					300	100	6	3	
20	1900	0.4	1.0		125	81	39	28	25
30	1900	0.4			110	69	27	18	28
50	1900	0.5		0.2	105	62	24	16	35