

PRODUCT DATA SHEET

UPV-L Friction Reducer for Cementing**Product Description**

UPV-L drag reducing agent (dispersing agent) can adjust the electric charge on the surfaces of cement particles to get proper cement rheology. As a result, it can reduce pump pressure, enhance drilling efficiency and used in construction easily.

Characteristics

- UPV-L is modified by USZ .
- The normal dosage is 0.6%~3.0% (BWOC), and it is not confined to this range in some particular case.
- Dissolve easily.
- Increasing additive dosage, it can adjust the rheology of the cement slurry effectively, and reduce the consistency.
- with good high temperature resistance, it can be used within 30℃~150℃ (BHCT).
- Consolidate cement stones, enhance its compression strength and control fluid loss.
- With certain retarding property.
- Good compatibility with other additives.

Technical Specification

Items		Specification
Appearance		Homogeneous liquid
Thickened linear(85℃,70.3MPa,44min),Bc		Normal
Ratio of thickening time(85℃,70.3MPa,44min)		1.0 - 2.0
Rheology(85℃,0.1MPa)	n	≥ 0.50
	k,Pa.s ⁿ	≤ 0.70
Ratio of Compression strength(110℃,21MPa,24h)		≥ 0.80
1.The ratio of thickening time: refers to the ratio of thickening time of cement slurry with drag reducer to the thickening time of pure cement slurry. 2.The ratio of compression strength: refers to the ratio of the compression strength of cement stone with drag reducer to the thickening time of pure cement paste.		

The ingredient of the cement slurry in the table is: G class: cement , W/C:0.44,
Dosage of UPV-L :1.5%(BWOC) , Water quality: distilled water .

Packing, Storage

- Be sacked with plastics barrel, 25kg per barrel.
- Be kept away from moisture and possible damage of the packages in transportation, and stored in cool and dry situation.
- Storage life time is one year.

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