

IDP-381

Cement Additive

ALLIBURTON Description	IDP-381 is a dry, free-flowing powder designed to reduce the filtration rate and retard the set of Portland Cement slurries used in water well, minerals exploration and construction applications. When used in conjunction with Portland Cement at the recommended concentration, IDP-381 creates a slurry with enhanced flow properties and improved bonding characteristics.		
Applications/Functions	Promotes the reduction of filtration rates in Portland Cement slurries		
	Delays the set of Portland Cement slurries		
Advantages	Easy to use		
	No additional water requirement for additive		
	Enhances hydraulic	Enhances hydraulic bonding characteristics of cement Promotes additional working and placement time	
	Promotes additional		
Typical Properties	Appearance	White to gray powder	
	Specific gravity	2.5	
	• pH	11.8 (1% solution)	
Recommended Treatment	Approximate Amounts of IDP-381 Added to Develop Cement Slurries		
	Added To Make	e-Up Water for Cement (Preferred Method)	
	Required Concentra Portland Cement	ation: Add 2-lbs of IDP-381 for every 94-lbs of	
	 Add IDP-381 to the appropriate volume of make-up water and mix at high shear for 2-3 minutes prior to addition of Portland Cement 		
		nt to IDP-381/Water mixture and mix at high shear etting of cement solids	
	Additive Dry Blended with Cement (Alternate Method)		
	Dry blend 2-lbs of IE addition of make-up	DP-381 with each 94-lbs of Portland Cement prior to water	
	Dry blending should of IDP-381 throughout	l continue for 3-5 minutes to insure even dispersion but the dry cement	
	of make-up water a	nt blend should be added to the appropriate volume nd mixed at high shear to insure efficient wetting of hydration of the IDP-381 additive	

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Additional Information	 IDP-381 is designed to be used with ASTM Type I, API Class A, ASTM Type II, API Class B, ASTM Type III or API Class C Portland Cements 			
	calculated volume of	onal water requirement therefor make-up water for the cement is oment of the final slurry		
Packaging	IDP-381 is packaged in a 20-lb (9.1 kg) resealable plastic bucket containing 10 airtight sealed plastic bags. Each bag contains 2-lb (0.91 kg).			
Availability	IDP-381 can be purchased through any Baroid Industrial Drilling Products Retailer. To locate the Baroid IDP retailer nearest you contact the			
	Customer Service Department in Houston or your area IDP Sales			
	Representative.			
	Baroid Industrial Drilling Products Product Service Line, Halliburton 3000 N. Sam Houston Pkwy E.			
		Houston, TX 77032		
	Customer Service	(800) 735-6075 Toll Free	(281) 871-4612	
	Technical Service	(877) 379-7412 Toll Free	(281) 871-4613	