



# WelSpacer®

Cementing Extender / Fluid Loss / P&A Cementing Applications

**"Quality products at a competitive price with service second-to-none"**

WelDril® Products experts have cultivated specialized products that are critical components for enhancing the performance and integrity of cement formulations. Their incorporation helps achieve proper volume ratios, leading to improved structural cement coverage, evident logging data. This optimization significantly contributes to overall well integrity and wellbore stability. Its unique properties enhance flexibility, tensile strength, and crack resistance, contributing to the overall durability of cement systems.

Moreover, optimizing cement performance in oilfield applications, WelDril has tailored its cement formulation with specialized products, to assure the critical TOC enabling operators to achieve precise volume ratios enhances structural cement coverage. This advancement not only strengthens integrity but also fosters more efficient operational practices.

## PERFORMANCE BENEFITS:

- Compatible with all drilling fluids.
- Provides slurries that have higher compressive strengths at all ages, compared to slurries containing other lost circulation and extending additives.
- Presents a sizable particle size distribution (PSD) to combat unforeseen fracture sizes.
- ESG friendly – Passes LC50.

## APPLICATIONS:

- Dual performance Benefits used as a Spacer and Dry Blended LCM. Insoluble in oil
- Does not soften at high temperatures.
- Does not appreciably change the thickening time of cement.
- Compatible with most other cement additives.
- Does not require complicated mixing equipment or procedures.
- Total loss WelSpacer Pills and WelSpacer Mixed in Cement.
- HPHT and Geothermal Cementing Additive.

## PHYSICAL PROPERTIES:

- Black granules w/multicolored rigid flakes.
- Sized crumb rubber.
- Specific Gravity - 1.15 to 1.30 g/cm<sup>3</sup>.
- Bulk Density - 48 lbs./ft<sup>3</sup>.
- PSD Range - 45µ to 3,800µ.
- PSD Average - 920µ.
- 50-lb sacks | 40 sacks per pallet
- UV Shrink Wrapped.
- Temperature Stability: Up to 1112°F (600°C).
- Non-Soluble

## COST BENEFITS:

- Rigorous LCM combination.
- #1 Spacer and LCM combination.
- Competitive pricing.
- 4 of the 5 proprietary components are produced in our facilities.

## CUSTOMER SERVICE BENEFITS:

- Exemplary products and services.
- Deliveries on Trucking Availability.
- Special and Extra Larger orders are ready for shipment in 24 to 48 hours.

## AVAILABLE PRODUCT INFORMATION:

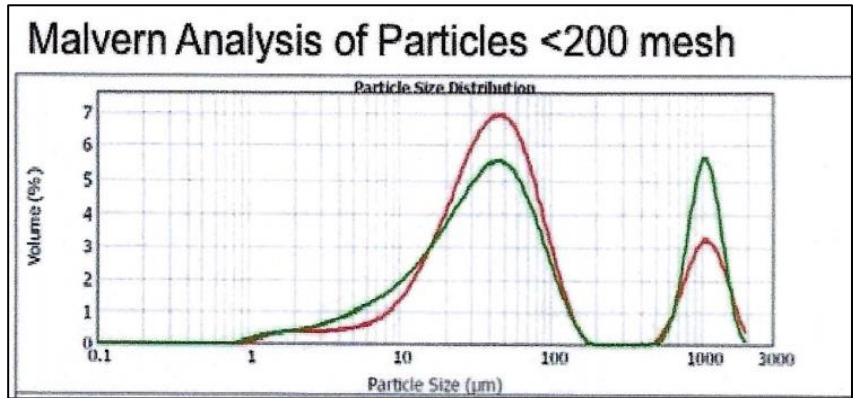
- Product SDS
- Recommended use is 10 to 35 lbs./bbl, depending on the losses while drilling.
- Call for custom loading requirements.



Shipping Address: 600 E. Franklin, Haskell, OK 74436  
Mailing Address: P.O. Box 2673, Muskogee, OK 74402  
Phone: (918) 686-8585 | 800-247-9433  
Website: [www.weldril.com](http://www.weldril.com)

## Cement Slot Test

Sieve Analysis		
Mesh Size	Brand X	WelSpacer
6	0.0%	3.5%
10	17.8%	18.5%
20	38.2%	43.3%
40	5.4%	7.7%
70	5.7%	4.7%
100	4.2%	2.4%
200	7.8%	5.1%
PAN	20.8%	14.8%



Sample Name	D(10µm) µm	D(50µm) µm	D(90µm) µm
Brand X	12.98	45.87	981.6
WelSpacer	8.947	46.2	1090.7

Slot Test Performance - WelSpacer vs Brand X							
	Material	Loading (ppb)	Slot Size (mm)	DP (psi)	Spurt Vol (ml)	Spurt Time (sec)	5 min Filtrate (ml)
1.2mm Slot	Brand X	7.6	1.2	1000	62.47	35	129.94
	WelSpacer	7.6	1.2	1000	18.16	28	108.36
	Brand X	12.7	1.2	1000	50.46	40	105.04
	WelSpacer	12.7	1.2	1000	16.3	40	82.75
1.5mm Slot	Brand X	7.6	1.5	1000	129.13	106	174.15
	WelSpacer	7.6	1.5	1000	52.16	50	130.44
	Brand X	12.7	1.5	1000	37.38	58	95.38
	WelSpacer	12.7	1.5	1000	11.32	25	71.39
3mm Slot	Brand X	7.6	3	1000	76	150	278.93
	WelSpacer	7.6	3	1000	156.23	60	223.19
	Brand X	12.7	3	1000	63	Inconsistent Seal	239
	WelSpacer	12.7	3	1000	158.9	120	228.93

**WelSpace consistently showed lower spurt volume and faster spurt time - better seal**

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