



## CEMENTING & STIMULATION

# DOWN TO EARTH BUSINESS



At Di-Corp, we have proudly developed a reputation for exceeding customer expectations for over 50 years.

We build relationships that focus not only on Down To Earth customer service, but the capabilities and expertise of our staff as well.

As a leading manufacturer and distributor of specialty chemicals, parts and accessories serving the Energy, Mining, and Drilling industries, we can focus on all aspects of your project.

We know that all relationships require integrity and partnership. We believe that having dedicated staff providing personalized service along with our focused product lines will lead to your success.

We approach partnerships with current market knowledge, superior problem solving capability and technical support backed by our Research & Development teams along with International distribution capabilities.

## Customer Service

At Di-Corp, we take pride in our Customer Service; to guarantee your satisfaction, our team of dedicated Customer Representatives will work with you to satisfy all of your needs. In the past, we have extended our activities to new locations to accommodate our customers and will do it again where necessary. We want to become a team and grow with you.

## Warranty of Product

As the manufacturer of our own products, we stand 100% behind our products and will address any issues or concerns you may have. Our Customer Service Team will be at your disposal to ensure your satisfaction at all times.

Our growth has come on the heels of our commitment to developing high quality products. In numerous circumstances, we have worked with our customers to ensure they are satisfied and productive both in the field and in the office.

## Research & Development

To ensure constant improvement and introduction of new products that help you stay ahead in the market, Di-Corp has invested in a fully functional Research & Development laboratory with Ph.D. Chemists, as well as a team of engineers with numerous years of experience, and a state-of-the-art design / technical center.

Di-Corp's Research and Development team includes a Ph.D. Chemist, two scientists and one laboratory technician. The team is exceptionally well-rounded with individuals having backgrounds in chemistry, biology and geology.

The laboratory is equipped to conduct product development in areas of drilling, stimulation and cementing with an emphasis on minimizing environmental impact.

The extent and sophistication of instrumentation and in-house expertise allows Di-Corp to handle other research projects outside of our main areas of focus as well. Where there is potential for improvement in industry, our team is up to the challenge.



# CORPORATE IDENTITY

## Responsible Distribution

Di-Corp is proud to operate in accordance to the Code of Practice of Responsible Distribution®.

Responsible Distribution® is a responsible management concept developed by the Canadian Association of Chemical Distributors (CACD). Compliance with Responsible Distribution® is a condition of membership in the CACD and is verified by regular independent third party audits by an external auditor.

The elements of Responsible Distribution® include:

- Occupational Health & Safety
- Warehousing
- Bulk Handling
- Repackaging & Labeling
- Transportation
- Emergency Response
- Community Awareness
- Waste Management
- Communication with All Publics
- Self-Assessment and Audit

## Health & Safety

Di-Corp is committed to providing a safe and healthy workplace for our employees and visitors. To this end we have joined with the Workers Compensation Board in Alberta in the Partners in Injury Reduction (PIR) Program and have implemented a Health and Safety Program.

Our Health and Safety Program was developed to meet the requirements of a COR (Certificate of Recognition) in the province of Alberta. Di-Corp's conformance with this standard has been confirmed by two consecutive independent audits.

We are compliant with the Ontario Occupational Health and Safety Act with respect to certifying our staff and supervisors through the Ministry of Labour training.

This reiterates our commitment to:

- Health & Safety
- Workplace Violence & Harassment
- Disability Management (introduced in partnership with the AB WCB)
- Emergency Response
- Injury Reporting
- WSIB processes
- MSDS locations

**“We conduct annual safety reviews across the company.”**



## Quality Management

Quality Management mandates the execution of quality activities at every step of the production process. Our QA/QC process starts with certificates of authenticity for inbound raw materials, then all manufacturing runs go through batch testing and we have field service ready to support application opportunities or problems.

Final products must pass our laboratory quality controls with samples and fabrication records retained for at least 12 months to back up our customer service commitment and ability. At Di-Corp, we work with our customers to provide quality products and can tailor our quality program to meet specific customer needs.

At Di-Corp, we are committed to the success of your project and the safety of everyone involved in the manufacturing, logistics and use of our products. To give you confidence that our products will meet these aspirations, we have committed to several international and industry groups to quantify and certify our efforts.

Di-Corp operations in Western Canada have a long history of operating according to our Quality Policy. This gives our customers and suppliers the confidence that our company has in place a set of policies and procedures that assure Quality

service for each and every transaction. And, when our products or services are not up to standard, the Quality procedures provide a recognized process to identify, correct and track such instances.

As Di-Corp continues to grow into new locations and through strategic acquisitions, our integration plans include a transition onto the Di-Corp Quality Policy via ISO certification within the first two years of purchase.

The following Di-Corp locations operate in accordance to a Quality Policy registered to the ISO 9001:2008 Standard:

- **Cementing & Stimulation Manufacturing**  
8750-53rd Avenue NW, Edmonton, Alberta
- **Cementing & Stimulation Laboratory**  
Unit 2, 4816 35B Street SE, Calgary, Alberta
- **Cementing & Stimulation Sales**  
#900-800 6th Avenue SW, Calgary, Alberta
- **Alberta Distribution**  
507-14th Avenue, Nisku, Alberta





Serving the Oil & Gas industries, we proudly manufacture and distribute chemicals including drilling fluids and cement additives, as well as rods, casing, diamond bits, core retrieval equipment and various other small and large accessories. Sourcing the best and building it better has been in our blood for 3 generations of family ownership at Di-Corp and we stand behind what we sell.

## Cementing & Stimulation

From microspheres to fluid loss additives, we have the technology to take on the harshest cementing conditions. We specialize in products and services for oil and gas well servicing companies, as well as general industrial applications.

We specialize in...

- oilfield cementing additives
- acidizing additives
- wireline cement blends
- coil tubing additives
- oil sands cementing

General industrial applications involve...

- custom cement blending
- cement packaging

## Drilling Fluids

We're not only a producer and distributor of quality drilling fluid products, but also experts in our field. We understand the products you use and how you use them; we know that having the right products when and where you need them makes a huge difference in your success.

## Mining & Drilling Products

Mining & Drilling Products include rods, casing, diamond bits, core retrieval equipment, PVC casing, steel casing, drive shoes, screens, plugs, reaming shells, etc. and are used in the horizontal directional drilling, water well drilling, environmental and geotechnical, construction, geothermal as well as oil sands coring markets. We supply drilling fluids, sealants, hardware, casing, and virtually all of the consumables that go in the ground.

# CEMENTING PRODUCTS BY APPLICATION

Di-Corp has developed its own line of quality manufactured drilling fluids called Earth Pro. The Earth Pro product line includes chemical and drilling additives for the Energy, Mining and Industrial Drilling industries.

## Earth Pro Products

Application	Trade Name	Package Size	Solution
Cements	Hotset Cement	20KG	Earth Pro Hotset Cement is a thermally stable cement blend package designed specifically for use in wireline operations.
	Oilwell 'G' Cement	20KG	Earth Pro Oilwell 'G' Cement is manufactured according to very strict API (American Petroleum Institute) guidelines with respect to setting time, compressive strength, free water content, and other physical and chemical factors, to assure a consistent product suited for the high demands of the oil industry. Typically this cement is used where wellbore temperatures do not exceed 100°C BHST.
	ResinBond Cement	20KG	Earth Pro ResinBond Cement is a unique blend of high quality gypsum and polymeric resin designed specifically for the wireline industry.
	Thermal 40 Cement	20KG	Earth Pro Thermal 40 Cement is typically used where wellbore temperatures exceed 115°C, due to well depth, or physical treatment (i.e. steam flooding).
	Warm Plug Cement	20KG	Earth Pro Warm Plug Cement is a blend of Earth Pro Oilwell 'G' Cement with a retarder designed specifically for use in wireline operations.
Cement Foamers	PCF-2	25KG	Earth Pro PCF-2 is designed primarily for down-hole gas encapsulation purposes. It contains a surfactant impregnated on a solid substrate, and coated to off-set the generation of any substantial foam until the cement slurry has been placed in the wellbore.
Defoamers/Antifoamers	Slurry Master	20L	Typical dosage in field applications is 0.5-2 L/m <sup>3</sup> of cement slurry, depending on the severity of the foaming problem and slurry viscosity.
Fluid Loss Control Agent	FLA-6	25KG	Earth Pro FLA-6 is a special blend of products designed to be an effective and economical oil well cement fluid loss additive.
Specialty Additives	Red Dye	2KG	Earth Pro Red Dye is a water dispersible pigment, which can be used as an indicator for determining the pre-flush/cement interface when cementing oilfield casing.





## Accelerators

Trade Name	Package Size	Solution
Calcium Chloride 94-97% - Mini Prill	50LB	Calcium Chloride 94-97% Mini Prill is anhydrous pellet form of Calcium Chloride (CaCl <sub>2</sub> ). It is the most widely used and most effective of all cement accelerators.
Industrial Moulding Plaster	25KG	Industrial Moulding Plaster is most widely used as a material to prepare thixotropic cement slurries.
OGC-60	50LB	OGC-60 is used to shorten the set time and improve expansion of portland cements. It is widely used in the preparation of thixotropic cements where high early strength cement is required, especially where gas migration is a problem.
Processed Lime	25KG	Processed Lime is Calcium Oxide (CaO) sometimes referred to as quicklime or hotlime. The presence of calcium in cement is a well-known cement accelerator.
Sodium Sulphate	50LB	Sodium Sulphate reacts with cement hydration products such as calcium hydroxide to form calcium sulphate. The calcium sulphate reacts with aluminates having an expansive effect on cement. Improved cement bonding is one of the benefits of using Sodium Sulphate in cement slurries.

## Acidizing Specialty Additives

Trade Name	Package Size	Solution
Salt (Fine and Coarse)	20KG	Salt is the common name for granular sodium chloride (NaCl). Available in two mesh sizes depending on application. Salt is an extremely versatile cement additive. Depending upon its concentration in the slurry, salt can behave as an accelerator or a retarder.
Soda Ash	25KG	Soda Ash can be used as a chemical admixture for portland cement. When the dosage is low, Soda Ash can be used as an accelerator of cement hydration, but acts as a retarder when the dosage is high.

# CEMENTING PRODUCTS BY APPLICATION

## Alkalinity Controllers

Trade Name	Package Size	Solution
Magnesium Oxide	50LB	Magnesium Oxide can be used as a substitute for lime as a coagulant in clear water drilling and for alkalinity control in polymer systems where a high pH (above 11.0) is undesirable.

## Bactericides

Trade Name	Package Size	Solution
T-352 Biocide	20L	T-352 Biocide is a non-ionic, glutaraldehyde-based biocide in a clear liquid form. It is effective in controlling both aerobic and anaerobic (sulfate reducing) bacteria.

## Buffers / pH Adjusters

Trade Name	Package Size	Solution
Hydrated Lime	20KG	Hydrated Lime is used as a means of adjusting the alkalinity when bicarbonate/carbonate contamination exists.

## Calcium Removers

Trade Name	Package Size	Solution
Soda Ash	25KG Plastic Bag	Soda Ash can be used as a chemical admixture for portland cement. When the dosage is low, Soda Ash can be used as an accelerator of cement hydration, but acts as a retarder when the dosage is high.

## Cements

Trade Name	Package Size	Solution
Microfine Cement	25KG	Microfine Cement is used in oilfield applications for sealing off casing vent leaks, cement squeezes, plugging thief zones and more. It is compatible with most commonly used additives.

## Corrosion Inhibitors

Trade Name	Package Size	Solution
COILSav	20L	COILSav can be used wherever unprotected metallic materials are subject to long periods of storage where corrosion may be a problem. Application rate and duration of protection will vary with the type of metal.

## Defoamers / Anti-foamers

Trade Name	Package Size	Solution
Defoamer Powder	40LB / 50LB	Defoamer Powder is a cement slurry defoamer recommended to decrease foaming and minimize air entrainment in cement slurries while mixing.

## Evaporate Stabilizers

Trade Name	Package Size	Solution
Salt (Fine and Coarse)	20KG	Salt is the common name for granular sodium chloride (NaCl). Available in two mesh sizes depending on application. Salt is an extremely versatile cement additive. Depending upon its concentration in the slurry, salt can behave as an accelerator or a retarder.

# CEMENTING PRODUCTS BY APPLICATION

## Extenders

Trade Name	Package Size	Solution
Microspheres	Bulk	Microspheres are used to reduce slurry density to as low as 1,000 kg/m <sup>3</sup> . These lightweight slurries are typically used in areas with low fracture gradients to eliminate the need for multistage cementing.
Silica Flour	1000L	Silica Flour is powdered sand that inhibits strength retrogression in oil-well cements at elevated temperatures. As a cement extender it prevents cement sedimentation by increasing low shear viscosity.
Silica Fume (Densified)	25KG	Silica Fume (Densified) is a silicon dioxide that has undergone the densification process. Silica Fume (Densified) is a pozzolanic material used to improve the strength of cements.
Silica Fume (Undensified)	20KG	Silica Fume (Undensified) is a by-product of the production of silicon metal. It is a pozzolanic material used to improve the strength of cements.
SMS (Sodium Metasilicate Anhydrous)	40KG	SMS are normally dry blended and used as an extender in oilwell cements. Light weight slurries can be formulated by blending SMS with the lime present in cement or by the addition of calcium chloride to produce a calcium silicate gel.



### SILICA FUME (DENSIFIED)

Silica Fume (Densified) is a silicon dioxide that has undergone the densification process. Silica Fume (Densified) is a pozzolanic material used to improve the strength of cements.

Reacting with the hydration products of portland cement, it forms a calcium silicate hydrate matrix which yields a light weight high compressive strength cement.

Silica Fume (Densified) also improves the flow-ability of cement blends.



# CEMENTING PRODUCTS BY APPLICATION

## Lost Circulation Materials

Trade Name	Package Size	Solution
Cal Carb 0 / Cal Carb 325	25KG	Cal Carb 0 / Cal Carb 325 readily dissolves in the presence of hydrochloric acid. Because of this, it is an ideal weighting agent for use in drilling pressured zones or in completion and work over fluids where the cleanup of the production zone is critical to well productivity.
Cal Carb Poultry Grit and Supercal - Glass Rock	25KG	It can be used in combination with other sized carbonates to provide a wide spectrum of bridging agents for drilling fluids. Its acid solubility also makes it especially suitable as a weighting or bridging agent in completion/work over and stimulation operations.
Cellophane	25LB	Cellophane has found wide application in routine cementing operations due to the loss of circulation during a primary cementing job.
Rubber Crumb (Fine, Medium and Coarse)	40LB	A lost circulation material made up of vulcanized rubber ground to a -20 mesh (F) 10-20 mesh (M) and a 3.5/16 mesh (C) size. Rubber Crumb will deform under pressure and can be squeezed into fractures or voids and then return to its original shape and size. This physical feature of Rubber Crumb enables it to provide an effective and lasting seal.
Sawdust	15LB	Di-Corp Sawdust comes from clean, untreated, kiln-dried wood, with the moisture content typically running between 5-12%.

## Retarders

Trade Name	Package Size	Solution
LTR	25KG	LTR can be used in cement slurries as either a dispersant in cement to increase compressive strength or as a retarder to delay the setting of the cement.
Sodium Glucoheptonate	50LB	Sodium Glucoheptonate is a product designed to extend the thickening time of oilwell cement slurries up to ~120°C BHCT. This retarder can be used in all normal Canadian cements, and is compatible with standard chemicals such as fluid loss additives, dispersants, silica flour, defoamers, and weighting materials.

## Shale Inhibitors / Clay Stabilizers

Trade Name	Package Size	Solution
Potash	25KG	When salt is blended into cement it is referred to as salt cement. Although sodium chloride is the more common salt, potassium chloride can be used to protect a particular sensitive clay sensitive formation. Salt cements can be used to modify the behavior of cement systems or applied when placing cement across massive salt formations or when cementing water sensitive zones.

## Specialty Additives

Trade Name	Package Size	Solution
Aluminum Powder 200	50LB	Aluminum Powder 200 is a finely ground aluminum (13 $\mu$ ) used to formulate expanding type cements. It can be used to formulate expanding cement slurries. The aluminum reacts with the alkalis in the cement slurry to produce small bubbles of hydrogen gas.
Citric Acid	25KG	Citric Acid is often incorporated into acid formulations. Its function is to prevent the precipitation of gelatinous ferric hydroxide as the acid spends. As a cementing additive, Citric Acid can be used as a retarder as well as cement dispersant. It is normally used at between 0.1% and 0.3% by weight of cement.
Metso 66	50LB	Metso 66 is a cement pre-flush additive designed specifically for the removal of oil-related drilling fluids from the wellbore. This silicate-based material contains a superior detergent package which quickly breaks down and emulsifies oil-muds for rapid and complete cleanup.
Plug Sand	50LB	Plug Sand is a specifically-graded 8/16 mesh sub-rounded sand used primarily as a temporary plugging or diverting agent in oilfield work-over applications.
Stimpro 763	20L	Stimpro 763 is a water soluble surfactant blend used to penetrate and disperse oil wet solids. Effective at penetrating and removing drilling muds prior to cementing, Stimpro 763 can be blended in an aqueous based pre-flush prior to a cement job.

# CEMENTING PRODUCTS BY APPLICATION

## Thinners / Dispersants

Trade Name	Package Size	Solution
CRM-19	25KG	CRM-19 is a unique polymer used in reducing the viscosity of cement slurries to improve the flow properties.
CRM-22B	25KG	CRM-22B is a polymer-based high potency water reducer used to disperse cements and cement blends containing fluid loss additives incompatible with normal sulfonated naphthalene-based dispersants.
DFR-5	50LB	DFR-5 is a low molecular weight polymer that may be blended with cement to reduce apparent viscosity and improve the rheological properties of cement slurries.
SAPP	50LB	SAPP is used as a strong deflocculant (thinner) in fresh water mud systems. The main application is dispersion of mud rings when water drilling and as a rapid thinner prior to cementing casing.

## Viscosifiers

Trade Name	Package Size	Solution
Naturalgel	50LB	Naturalgel has the unusual property of expanding several times its original volume when placed in water. The result is higher fluid viscosity, gel strength, and solids suspending ability.

## Weighting Materials

Trade Name	Package Size	Solution
Barite	40KG	In its pure form barite is chemically inert in fresh water and oil-based drilling fluids and can be used to increase mud densities to as high as 2400 kg/m <sup>3</sup> .





# FRACTURING PRODUCTS BY APPLICATION

## Bactericides

Trade Name	Package Size	Solution
2K7 Solution W-M	1000L	2K7 Solution W-M is a highly effective bactericide. The active ingredient is 2-Bromo-2-Nitropropane-1,3-Diol (BNPD) delivered as a winterized liquid.

## Buffers

Trade Name	Package Size	Solution
High pH Buffer	1000L	High pH Buffer is a blend of alkali that resists changes in pH both upwards and downwards. High pH Buffer is designed to control the pH of water based fracturing fluids in the range 8.0 to 10.0. This pH range is optimal for quick crosslinking of borate/guar systems and also allows quick hydration of dispersible polymers such as xanthan gum and HEC.

## Clay Stabilizers

Trade Name	Package Size	Solution
Buffered Clay Stabilizer	1000L	Buffered Clay Stabilizer is a blend of choline chloride and formic acid. It is designed to prevent hydration of water sensitive shale. It is also useful to control the pH of water based fracturing fluids in the range 4.0 to 5.0. This pH range is optimal for quick hydration of guar gum.
Choline Chloride 75 Liquid	1000L	Choline Chloride is completely water soluble and is used to control swelling of water sensitive clays. It has a small hydration radius and can easily substitute sodium ions found in the crystal structure of native clays thereby effectively blocking the site for water hydration.
HT Clay Stabilizer	1000L	HT Clay Stabilizer has been developed as an environmentally friendly clay inhibitor for water sensitive formations which maintains its effectiveness over a wide temperature range and up to about 200°C.
Potash	25KG	Potash is a commonly used as an additive in aqueous based fracturing fluids. The use of KCl prevents the potential damage caused by the swelling or migrating of clay platelets within the formation matrix.

## Crosslinkers

Trade Name	Package Size	Solution
Borate Crosslinker	1000L	Borate Crosslinker is a buffered borate based crosslinker used to crosslink linear gels of guar and hydroxypropyl guar (HPG) biopolymers. Borate Crosslinker is designed to react with hydroxyl groups on the guar gum or HPG polymer backbone to create a viscoelastic fluid which is shear thinning and has good thermal stability.
Boric Acid	25KG / 50LB	Boric acid, also called hydrogen borate, boracic acid, orthoboric acid and acidum boricum, is a weak, monobasic Lewis acid of boron. Borates perform exceptionally well in guar slurries as crosslinkers in water-based fracturing fluids, notably in mid-to-high pH fluid bases.

## Diverting Agents

Trade Name	Package Size	Solution
Salt (Fine and Coarse)	20KG	Salt is the common name for granular sodium chloride (NaCl). Available in two mesh sizes depending on application. Salt is an extremely versatile cement additive. Depending upon its concentration in the slurry, salt can behave as an accelerator or a retarder.

## Viscosifiers

Trade Name	Package Size	Solution
Guar Gum FHD	Bulk / 2000LB	Guar Gum FHD is compatible with fresh water and brines. It can be easily cross-linked with various borate salts and can be readily broken with hemicellulose enzyme and oxidative breakers.





## Testing Equipment

We keep you at your peak performance by providing fluid testing equipment and parts, equipment repair services, and reagents for product and environmental analysis.

We also provide equipment and supplies for rig operations through Oilfield Supply Stores and strongly support oilfield-related educational institutions with their equipment needs.

Di-Corp is the authorized **OFI Testing Equipment** Distribution & Service Center in Canada, and stock inventory at our downtown Calgary location.



## Frac Sand Transloading Sites

Di-Corp currently has two frac sand transloading sites in Western Canada and is looking to expand further into Canada as well as into the USA.

### Grande Prairie, Alberta Site

The facility has an 11,000 ton storage capacity with 4 silos and a 3 track, 60 rail car capacity. The annual throughput capacity is 550,000 tons of frac sand.

### Rocky Mountain House, Alberta Site

The facility has a storage capacity of 12,000 tons with six silos and two drive through loading lanes on scales. This site has a 120 railcar capacity and three switches per week (40 railcars per switch).

# LOCATIONS

## CANADA LOCATIONS

### BRANCHES

**Barrie, ON**  
60 Lockhart Road  
T: 1.877.683.7588

**Calgary, AB**  
Bay D - 4405-75 Ave SE  
T: 1.877.683.7588

**Calgary, AB**  
#900, 800-6th Ave SW  
T: 1.800.661.1343

**Calgary, AB**  
Unit 2, 4816 35B St SE  
T: 1.800.661.1343

**Delta, BC**  
7533 Progress Way, Unit 2  
T: 1.800.665.6645

**Innisfail, AB**  
4211-52nd Street Close  
T: 403.227.4477

**Nisku, AB**  
507-14 Ave  
T: 780.955.5553

**North Bay, ON**  
35 Voodoo Crescent  
T: 705.472.7700

**Saskatoon, SK**  
110 Wheeler St  
T: 306.931.2190

### STOCK LOCATIONS

**Di-Corp Warehouse**  
Nisku, AB

**Formula Powell**  
Blackfalds, AB  
Edson, AB  
Fort St. John, BC  
Grande Prairie, AB  
High Level, AB  
Lloydminster, AB  
Slave Lake, AB

**Kentrax Warehouse**  
Weyburn, SK

**Smithbrook Mud Service**  
Brooks, AB

**Other Third Party Sites**  
Mississauga, ON  
Montreal, QC  
Thunderbay, ON  
Prince George, BC

## USA LOCATIONS

### BRANCHES

**Jentech Drilling Supply**  
195 Ingenuity Ave,  
Sparks, NV 89441  
T: 775.424.3045

### STOCK LOCATIONS

**Di-Corp Warehouse**  
Colorado Springs, CO

**Jentech Warehouse**  
Bakersfield, CA  
Battle Mountain, NV  
Elko, NV  
Nephi, UT  
Chandler, AZ

## INTERNATIONAL LOCATIONS

### BRANCHES

**Hermosillo, Mexico**  
25B de los Tarahumaras  
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## CORPORATE OFFICE

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