



TIMES

Number 3 | May 2016

WE'RE PROUD TO
LAUNCH OUR NEW
CRH CEMENT BAGS!

PAGE 4



Message from John Pontarollo



John Pontarollo

As CRH Canada, our commitment to our customers, our communities and safety remains essential to our operations. In order to keep delivering on these commitments, CRH has set forth four strategic themes that guide our company's vision of becoming the leading building materials business in the world.

These four Strategic Themes are: Focused Growth, Making Businesses Better, Right People, Right Place, Right Time and Unleashing the Potential of OneCRH.

Focused Growth involves our active commitment to create value and invest in profitable growth so that we can grow our business to service you better.

Making Business Better is our continuous effort to be a world-class operator. Through continuous improvement and innovation and deep knowledge of our market we hope to provide more value to all of our customers.

Right People, Right Place, Right Time is our internal commitment to our people. We aim to continue to develop our employees internally, give them room to grow and succeed so that we have the right team in place to serve you.

OneCRH is about developing new ideas, being innovative, working collaboratively and constantly adapting to the rapidly changing needs of the markets where we operate.

Construction, our collective business, is the backbone of socio-economic development and we are committed to continue to deliver the materials and services you've come to rely on so that we can build Canada's infrastructure, together. We look forward to another great year ahead.

John Pontarollo
Senior Vice President,
Great Lakes & Northwest US,
Ontario and Western Canada



Welcome to Alberta Sy!



Sy Steppacher

Sy Steppacher has been with the company for almost 4 years. Graduating from Ryerson University with a degree in Civil Engineering, Sy joined our team in 2012 as a Project Coordinator in the engineering department. He later moved into the operations role of Production Supervisor at Ontario Redimix. While in his role, Sy served on many internal committees including: the Dufferin Concrete/Ontario Redimix Occupational Health and Safety (OH&S) Committee, Chute Process

Review Committee, Ontario Redimix's Sustainable Development Committee, and recently as a jury member for the annual President's Awards for OH&S Excellence.

In August 2015, Sy moved to Alberta with his family and transitioned into his new role as the Sales and Logistics Specialist for Alberta.

We're launching our new CRH cement bag with a photo contest

We are excited to launch our new lineup of bagged cement products just in time for the 2016 construction season! You should start to see the new designs by mid-May 2016. While we've streamlined our design, we are maintaining the same colour lineup that you have grown accustomed to over the years.

What better way to celebrate our new bag launch than with a masonry crew photo contest! The crew that sends us the best picture of themselves with our new bagged product will be entered to win a **Milwaukee Job Site Radio** and **\$100 Home Depot gift cards** for each member of the crew.



The contest will end on September 1st 2016 so please tell your masonry contractors to keep this in mind throughout the summer. We will be including a one page info sheet about the contest in all skids of masonry starting May 15th. If you have any further questions about the new bags or the contest please contact your Market Manager.

You may submit the photo by tweeting us @CRHCanada and using the hash tag #CRHmasonry. If you don't have Twitter, we will also be accepting entries via email at marco.carlini@ca.crh.com.

Good luck!

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| <ul style="list-style-type: none"> ■ HSF Type GUB-SF Blended Cement* A highly effective blended cement with silica fume that is suitable for High Strength, High Performance concrete. ■ CRH Slag Cement* A high quality granulated blast furnace slag (GBFS) product used in concrete mixtures. ■ Type HSb A blend of Portland Cement Type GU and Slag Cement that when used in a concrete mix produces a Type HS equivalent with sulphate resistance properties. | <ul style="list-style-type: none"> ■ Mason's Choice® High Bond Portland/Lime Blends, Type N & S Specially designed blends of Portland Cement and double hydrated lime intended for use in any masonry application requiring higher bond characteristics such as stucco, parging and stone work. | <ul style="list-style-type: none"> ■ Normal Portland Limestone Cement, Type GUL* Is one of the most widely used basic building materials. It is durable, dependable, cost-effective, and suitable for a variety of concrete applications. | <ul style="list-style-type: none"> ■ Mason's Choice® Masonry Cement, Type N** & S** High quality Masonry products that exhibit excellent workability, water retention, plasticity and long board life. | <ul style="list-style-type: none"> ■ High Early Strength Portland Cement, Type HE Is used in concrete applications where High Early strength is desired. Particularly suitable for fast-track construction. |
| | | | | |

*CSA A3001
**CSA A3002



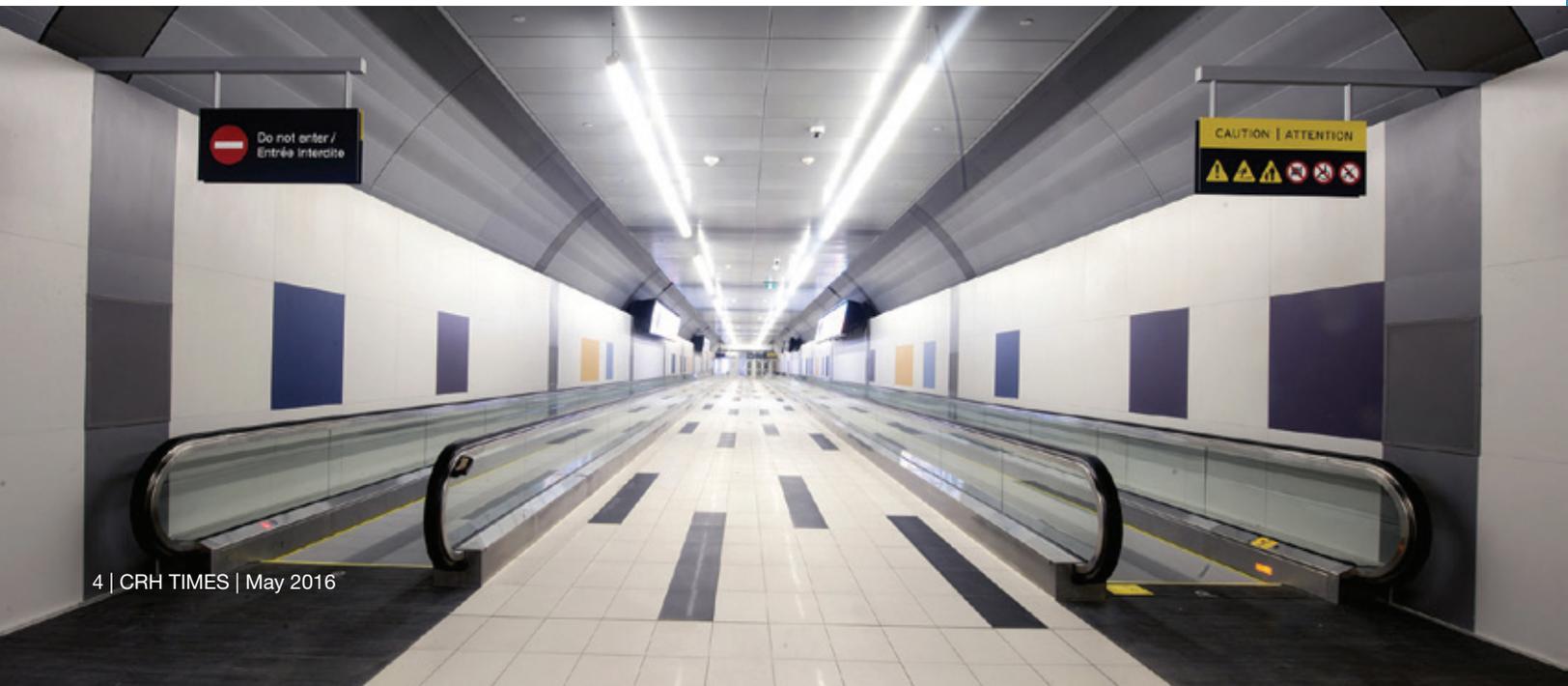
Congratulations Technicore and Tecmix!

The Ontario Concrete Awards celebrates the achievements of Owners, Designers, Contractors and Suppliers that have made concrete, a resilient and sustainable construction material, their material of choice. Tecmix and Technicore Underground Inc. provided tunneling services and material to the Billy Bishop Airport Pedestrian Tunnel project that won an award for Structural Design Innovation.

Congratulations to the team! We are proud to have been a part of this historical project that will provide access to the Toronto Island airport for thousands of people for years to come!



Joe DiMillo and Jeff Harold from TecMix/Technicore celebrating their win at the Ontario Concrete Awards



Visit our Mississauga Cement Plant!

For those who would like to see how our cement is produced, we are pleased to invite you to our CRH Mississauga Cement Plant for a day tour. Commissioned in 1956, the Mississauga Plant is one of the largest and most environmentally responsible suppliers of cement in Canada and is proud to celebrate its 60th anniversary this year.

Located in Mississauga, Ontario approximately 30 km west of Toronto, the Mississauga Plant has witnessed ongoing technological advancements designed to meet the increasing needs of the marketplace, to improve environmental performance, to enhance employee safety and to mitigate impacts on the local community. Through continuous upgrading and investment in our operations,

the Mississauga Plant maintains the proud distinction of being a leader in the cement industry.

Our cement experts are excited to show you all the features that make our plant great and answer all of your questions. Book a tour to experience the Mississauga plant for yourself. Hope to see you soon!

Please inquire with the following personnel to book a Plant Tour:

- Dennis Baker
Senior Technical Services Rep
416-564-6874
dennis.baker@ca.crh.com
- Diane Park
Junior Technical Services Rep
647-448-2957
diane.park@ca.crh.com
- David Bangma
Technical Services Manager
647-204-6908
david.bangma@ca.crh.com



Dear Dave

Who needs Dear Abby when you've got a Dave on your team!

Have a question on your mind? Send him a note and "Dear Dave", our Technical Services Manager David **Bangma** will answer it and

publish it here so we can all be a little better informed.



Dear Dave,
At the last few industry events I've been hearing a lot of talk about 'Portland-limestone' cements. Every time it comes up my burning curiosity increases but I continue to be in the dark. Please help me. I need to know what is 'Portland-limestone' cement and how is it different than normal Portland cement.

Sincerely,

Curious Concrete Producer

Dear Curious Concrete Producer,

What a great question!

Portland limestone cement (PLC) is a slightly modified version of regular ordinary Portland cement (OPC). Both OPC and PLC are manufactured by intergrinding clinker with limestone; the difference comes in the percentage of limestone used. OPC may contain up to 5% limestone whereas PLC has between 6% and 15% limestone. The limestone is more easily ground than the clinker, which is harder, and becomes concentrated in the finest particles.

PLC has comparable performance properties to OPC but improves the environmental performance of concrete. The greenhouse gas emissions

associated with existing manufacturing are reduced by approximately 10%. The industry is working towards having this reduced clinker content in concrete qualify for LEED credits.

Although PLC is still relatively new to Canada, it has been used in Europe for 25 years up to maximum of 35% limestone. It is important that the transition to PLC continues as part of ongoing efforts to improve the carbon footprint and sustainability of concrete.

If you have additional questions or require more information please do not hesitate to reach out.

David Bangma
david.bangma@ca.crh.com

Sustainability starts at the source

Dufferin Aggregates' Acton Quarry certified as world's first socially and environmentally responsible quarry

Aggregates are the building blocks of our roads and buildings. But there is a tension between our need for these products, the views of communities adjacent to these operations, and the need to protect farmland and the environment. For the first time, a pathway exists for those building blocks to be sustainably sourced. CSC certification can improve industry practices, reduce conflict and generate a market for sustainable products. CRH Canada should be congratulated for being the first operation to certify and for forging a new path that other aggregate operations can follow.

Tim Gray, Executive Director of Environmental Defence

In a landmark announcement on February 23rd, the Cornerstone Standard's Council (CSC) officially recognized CRH Canada's Dufferin Aggregates Acton Quarry as the first quarry in the world to receive certification as a supplier of responsibly sourced stone, sand and gravel.

"CRH Canada and Dufferin Aggregates are extremely proud that our Acton Quarry has been officially recognized as the world's first certified aggregate site, and hope that this achievement will be a catalyst for the industry. This certification is a

testament to our commitment to address the demand for aggregates that consider community and environmental needs. Now any purchaser of aggregates, be it the public or the private sector, will have the confidence in knowing that they are buying responsibly sourced building materials," said Baudouin Nizet, President & CEO, CRH Canada Group Inc.

In January 2015, CSC released its Responsible Aggregates Standard, providing the parameters by which an aggregate quarry could achieve certification in Ontario.

CRH Canada and Dufferin Aggregates have a long-standing and well established commitment to the communities in which they operate and to being stewards of the natural environment. To be officially certified and recognized for these efforts and to have product labeled as CSC certified is an important opportunity for the company.

"This certificate speaks to the relationship between CRH Canada and the Town of Halton Hills," said Rick Bonnette, Mayor of Halton Hills. "By following CSC's Standards and working proactively to address environmental and social impacts the Acton Quarry has been able to incorporate sustainability



Baudouin Nizet, President & CEO, CRH Canada getting two thumbs up from Premier Kathleen Wynne

principles into its ongoing operations and after use."

To learn more, visit the Cornerstone Standards Council website at www.cornerstonestandards.ca.



Peter Kendall, Executive Director of Earth Rangers, Baudouin Nizet, President & CEO of CRH Canada, Halton Hills Mayor Rick Bonnette and Ontario Trillium Foundation Director Tim Jackson.

WE'VE CHANGED OUR NAME!

Our slag cement was called Grancem for many years, but in an effort to simplify the ordering process we have changed its name to CRH Slag Cement.

You will continue to see Grancem on orders and invoices during the transition before all documentation begins to show CRH Slag Cement.

As a sustainable material, slag cement reduces energy, emissions and virgin material requirements in concrete and also lightens concrete to reduce urban heat island effect by reflecting more light than traditional concrete.

Information obtained from the Slag Cement Association

Stronger and environmentally responsible:

CRH Slag Cement

CRH Slag Cement, a by-product of the steel manufacturing industry, is ground granulated blast furnace slag (GGBFS) that is used as a replacement for Portland cement in concrete production.

If you are not familiar with the product, CRH Slag Cement is an excellent alternative to Portland cement that not only improves concrete strength, but it is also even more environmentally sustainable.

Slag cement creates concrete with higher compressive and flexural strengths compared to pure Portland cement mixes. The improved strength allows mix designs to be optimized and decreases life cycle costs for owners. When slag cement is used as part of a concrete mix, it forms more calcium silicate hydrate, the glue that provides strength and holds concrete together, to densify the concrete matrix, enhancing strength.

28-day strengths generally increase as the percentage of slag cement increases. Early strength development may be slower than traditional Portland cement mixes, but ultimate strengths will be higher.



Factors affecting strength development of the mixture include:

- Chemical composition of the slag
- Temperature of the concrete
- Reduces water demand, directly affecting water-cement ratio
- Proportions of the slag component
- Fineness of the slag component
- Temperature of the curing environment
- Availability of soluble alkali
- Chemical composition of the cement component

The replacement of large portions of Portland cement, typically between 25%-50% in structural or paving mixes and up to 80% in mass concrete applications, dramatically reduces the embodied material, energy and emissions in a cubic metre of concrete. Life cycle inventory of concrete produced with slag cement shows that for each cubic metre of concrete, greenhouse gas emissions and energy can be reduced by almost one-half.

Benefits of improved strength

| Feature | Benefit |
|--------------------------|--|
| Improved safety factor | Greater reliability |
| Optimized element design | Thinner, lighter, fewer members Less dead load More usable floor space Lower cementitious factors Less shrinkage Less curling |
| Lifecycle cost | Increased service life Lower maintenance costs Greater ability to handle unexpected increases in traffic volumes |

2016 Spec Mix Bricklayer 500 World Championship takes Las Vegas by storm

In February 2016 the 14th annual Spec Mix Bricklayer 500 event, known to many as the Super Bowl of the World of Concrete convention in Las Vegas, put some of the best masons in North America head to head in a World Championship event.

To earn a spot in the World Championship, masons must win their regional qualifier competition and only the previous year's Champion and Top Craftsman winners are granted a spot to contend. The two-man teams have 60 minutes to build a 26 foot 8 inch, double width brick wall

while meeting strict quality standards. Judged by 24 highly qualified industry experts, including our very own Market Manager John Hellyer this year, the awards are based on the highest brick counts meeting the quality standards and competition rules. Following the Champion distinction, the second most coveted title is the SPEC MIX TOP CRAFTSMAN award that the panel of judges

rates the "Most sellable" wall meeting the required 500 brick count.

Utah Mason Scott Tuttle took home first place beating out 22 other world-class masons by laying 775 bricks in one hour to

earn the title "World's Best Bricklayer," a 2016 Ford F-250 4x4 Super Duty truck, and \$15,000 in cash and prizes. Second place went to returning Spec Mix Top Craftsman winner Garrett Hood with Huntley Brothers Company while Oklahoma bricklayer Darian Douthitt took home the Spec Mix Top Craftsman award as well as 3rd place.



Our Mississauga Cement Plant turns 60!

The CRH Canada Mississauga Plant is celebrating 60 Years in the Mississauga business community this year

In 1956, St. Lawrence Cement, as it was known then, began production. Sixty years later, as CRH Canada Group Inc., the plant continues to be a prominent member of the south Mississauga business community embracing the change associated with the passing of time.

Since production began in 1956, the Mississauga Plant has steadily improved its energy efficiency through the modernization and improvement of its equipment and processes. We have replaced the original wet kilns with a more energy efficient dry precalciner process kiln and modern process control systems. In 2007, the plant invested in a state of the art Vertical Roller Mill (VRM) successfully increasing grinding capacity while reducing greenhouse gas emissions. The VRM

project received industry wide recognition and garnered the prestigious "Innovation in Technologies" award at the 2008 Mississauga Technology Awards.

The plant takes a proactive approach to ensure that dialogue with our community is encouraged and maintained. In 2009, the plant established a Community Advisory Panel (CAP) which meets quarterly to discuss all aspects of the plant's operations. The plant also hosts Open Houses, opening its doors to the public.

Stay tuned for more information about the plant as we celebrate this momentous occasion!



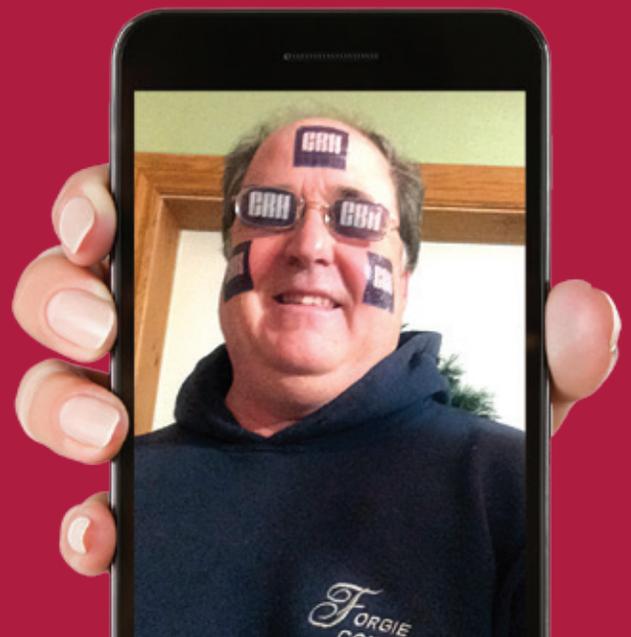
Our 60th Anniversary Open House is scheduled for Saturday, September 24th and we hope to see you there!

And the best CRH Selfie goes to...

Thank you to everyone that showed their support for our transition to CRH by taking some awesome selfies with temporary (we hope) CRH tattoos! We got so many great entries that we couldn't choose just one! Congratulations to our two winning submissions that came from Carl

Stammschroer and Brian McNeil from Patene Building Supplies Ltd. (left) and Doug Forgie of Forgie Concrete (right).

Thank you guys for showing some great CRH spirit and a big thanks to everyone that submitted a selfie!



We're teaching civil engineering at the University of Toronto!

For the second year in a row, members of the CRH Canada team are teaching a 4th year civil engineering class at the University of Toronto.

Our lead instructor is Senior Vice President and University of Toronto (UofT) Alumni, John Pontarollo. John attended UofT for both his undergraduate and master's degree in Civil Engineering so it's a bit like coming home when he saunters down the hallways of his alma mater. The rest of the team (including Marie Glenn, Emma Schindler and former CEO Paul Ostrander) enjoyed seeing John (with a lot more hair back then!) in his class photo on the wall!



The project-focused class requires students to find solutions to real problems such as the re-design of the water management system at a Ready Mix Plant, the development of a mining plan for our Dufferin Aggregates Acton Quarry or the design of a comprehensive, best in class vehicle and pedestrian safety plan for our Mississauga cement plant.

The students have the opportunity to interact with our on-site personnel and spend time at our sites learning how active companies work, gathering data and working on the problem.

The end result is an engineered solution to a real problem that we as a company can implement at our sites while the students benefit from the experience and get to see their solutions put into use. These projects give the them exposure to the type of projects that engineers work on, that they themselves may work on once they graduate and are employed at engineering consulting firms or as members of companies' engineering departments.



We're proud to be a part of this program where we can meet 25-35 fantastic students every winter and sometimes students that become CRH employees. We're increasingly impressed by the high quality of work the students produce.

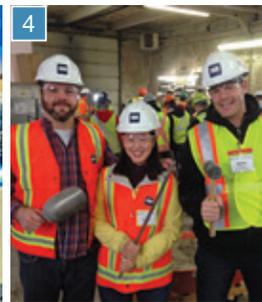
We stay connected to the UofT engineering program through the Professional Engineering Year (PEY) program, where we have students completing work terms at our company, so we continuously see some of the great talent emerging from the engineering program. This course allows us to see the culmination of all those grueling years of schooling and how it comes together in terms of teamwork, logic, presentation skills and ultimately a real-world engineering project.

We look forward to doing it all again next year!



Photo Gallery

- 1 - Visiting the Euclid booth at World of Concrete
- 2 - Sales Team hard at work, forecasting for the year
- 3 - MacKenzie Johnston proud to show off our new line of cement bags at the Merkley Tradeshow
- 4 - CRH Team at the ACI Concrete Field Testing Technicians Certification
- 5 - The CRH Cement Team at the Merkley Tradeshow
- 6 - CRH Hockey Champs
- 7 - Maria & Adelio Santin, John Hellyer, Tania & Rob Santin of Santin Masonry at Canadian Masonry Contractors Association dinner
- 8 - Unwinding with some Ping Pong after the Spring Sales Meeting
- 9 - Canadian Masonry Contractors Association Tony De Marinis (Masonry, Paul Mutter (Merkley), John Hellyer and John Raponi
- 10 - Gord Cawker at The Precast Show in Nashville



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