

An Overview of the Slag Cement Association

Resources, Programs, Events, and More!

Nick Brimley, SCA Marketing Director

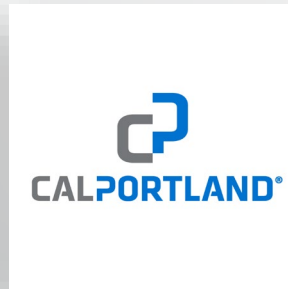


PRESENTATION GOALS

1. Review SCA's mission, members, committee, and task groups.
2. Discuss slag cement tools and resources available to you on SCA's website.
3. Review SCA's news and upcoming industry events.
4. Provide an update on SCA's educational and promotional programs.

SCA MEMBERSHIP

The Slag Cement Association is an organization of companies that produce and ship slag cement in the United States; **these shipments represent over 95% of all slag cement used in U.S. concrete construction.** SCA is the leading source of knowledge on blast furnace slag-based cementitious products. It promotes the increased use and acceptance of these products by educating customers, specifiers, and other end-users on their varied attributes, benefits, and applications. Each member (listed below) has 1 seat on SCA's Board of Directors.



SCA Board has oversight of association activities including budget setting, strategic planning, and shipment reporting programs.



SCA'S TECHNICAL & MARKETING COMMITTEE AND REGIONAL TASK GROUPS

Technical & Marketing Committee: Oversees all promotional and technical association activities including:

- Slag Cement School and Slag Cement Awards Program
- National-level educational sessions and speaking events
- Marketing/promotional activities
- Technical resource development
- Monitoring of slag cement-related codes and standards
- Industry partnerships

Promotional Task Groups: Regional groups dedicated to monitoring local issues with slag cement.

- Maintains relationships with other local groups (DOT, ACI, ASCE, etc.), and the development of local speaking opportunities.
- Currently we have groups for the Great Lakes and Southeast regions

SCA STAFF



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MISSION AND VISION STATEMENT

OUR MISSION: To serve as the leading source of knowledge and technology transfer for the growth of slag cement.

OUR VISION: To be the preferred solution for lowering embodied carbon in the design and construction of resilient and sustainable concrete.



SCA RESOURCES

SCA WEBSITE (slagcement.org)



INFORMATION SHEETS

- There are many different applications and uses of slag cement. SCA has produced 30 information sheets on a wide variety of slag cement related topics.
- A few examples include: Slag Cement in Residential Concrete, Use of Slag Cement in Soil Cement, Slag Cement and Portland Limestone Cement in Concrete, and many more!
- Information sheets are developed, revised, and updated by SCA's Technical & Marketing Committee.

SCA SLAG CEMENT ASSOCIATION Information Sheets

1: What is Slag Cement

Slag cement, or ground granulated blast-furnace slag (GGBFS), has been used in concrete projects in the United States for over a century. Earlier usage of slag cement in Europe and elsewhere demonstrates that long-term performance is a common-sense, well-founded, and thoroughly experienced, modern designers have found that these improved durability characteristics help further reduce life-cycle costs and lower maintenance costs.

Using slag cement to replace a portion of portland cement in a concrete mixture is a useful method to make concrete better and more consistent. Among the measurable improvements are:

- Better concrete workability
- Easier finishability
- Higher compressive and flexural strengths
- Lower permeability
- Improved resistance to aggressive chemicals
- More consistent plastic and hardened properties
- Lighter color

When iron is manufactured using a blast furnace, the furnace is continuously charged from the top with waste, being material, and fuel. Two products—slag and iron—collect in the bottom of the hearth. Molten slag flows on top of the molten iron, both being separated.

The molten iron is sent to the steel producing facility, while the molten slag is allowed to granulate. This process, known as granulation, is the rapid quenching with water of the molten slag into a raw material called granules. Rapid cooling prevents the formation of crystals and ferric phases, non-metallic, silicates and aluminum oxides of calcium.

These granules are dried and then ground to a suitable fineness, the result of which is slag cement. The granules can also be reprocessed as an ingredient in the manufacture of blended portland cement.

Relevant Terminology
Ground granulated blast-furnace slag (GGBFS): A hydraulic cement formed when granulated blast-furnace slag is ground to a suitable fineness. Commonly referred to as slag cement or GGBFS.

Hydraulic cement: A cement that sets and hardens by chemical interaction with water and is capable of doing so under water.

Blast-furnace slag: The non-metallic product, consisting essentially of silicates and aluminosilicates of calcium and other bases, that is developed in a molten condition immediately with iron in a blast furnace.

Granulated blast-furnace slag: The granular material formed when molten blast-furnace slag is rapidly chilled by immersion in water. Also referred to as granules.

Portland cement: A hydraulic cement produced by pulverizing portland cement clinker, usually containing calcium sulfate.

Blended cement: A hydraulic cement produced by integrating portland cement clinker with other materials, or by blending portland cement with other materials, or by a combination of inter-grinding and blending.

Portland blast-furnace slag cement: A blended cement consisting of an essentially unreacted mixture of portland cement clinker and granulated blast-furnace slag, in which the amount of the slag cement is within specified limits.

Advanced blast-furnace slag: The material resulting from the substitution of molten blast-furnace slag under atmospheric conditions. Subsequent cooling may be achieved by application of steam to the additional surface. (This material can be mixed and crushed for use as aggregate in concrete or fill material, if it is not consistent)

Expanded blast-furnace slag: The lightweight cellular material obtained by controlled processing of molten blast-furnace slag with water, or water and other agents, such as steam or compressed air or both. (This is commonly used as lightweight aggregate, if not consistent)



Slag Cement



Slag Cement



Slag Cement

Figure 1: Blast-furnace

SCA SLAG CEMENT ASSOCIATION Information Sheets

19: Slag Cement in Residential Concrete

Engineers, architects, and specifiers have long used slag cement in major projects to achieve improved concrete performance. These performance enhancements are becoming more important to builders of residential homes, and their owners. The durability, consistency, and beauty of concrete are vital to residential homes, and slag cement is playing an increasingly large role in this market.

Where Can Slag Cement Be Used in Residential Construction?
 Slag cement can be used in almost any residential concrete application. It has been used for forming basement walls, basement floor slabs, sidewalks, driveways, and garages. Slag cement has been used in mixtures for decorative and exterior concrete. From ITCC concrete walls for safety, energy-efficient houses to walls. In addition to these concrete applications, slag cement is also used in masonry construction.


What Are the Benefits Of Slag Cement in Residential Construction?

- Improved workability
- Easier placement
- Improved consolidation
- Decreased honeycombing
- Improved finishing characteristics
- Lighter color
- Aesthetically pleasing
- Sweeter surface
- Fewer blemishes
- More uniform finish
- Long service life
- Improved strength
- Resistance to surface attack
- Mitigation of alkali-silica reaction
- Reduced permeability


Slag cement is preferred in decorative concrete. Because of its lighter hue color, colors more appear more vibrant in integrally colored and stamped concrete. Concrete containing slag cement can be acid etched and stained as well.

Does Slag Cement Affect the Construction Process?
 Slag cement has been used extensively in residential construction with little or no impact on construction processes. Wall forms can usually be removed in the same timeframe as other mixtures. When handling a finished slab, care must be taken by the contractor to make sure walls are not subject to excessive pressure from too heavy and too tall material. The notes to test walls is containing slag cement.

Self-consolidating concrete for residential floor slab using 50% slag cement, 50% portland cement.



Self-consolidating concrete for residential floor slab using 50% slag cement, 50% portland cement.



Decorative residential concrete with 25% slag cement (interior acid stained concrete floor) and exterior stamped and colored concrete balcony.

Figure 1: Coakford residence used 40% slag cement

SCA SLAG CEMENT ASSOCIATION Information Sheets

30: Slag Cement and Portland Limestone Cement in Concrete

Implications

- In Portland Cement Concrete (PCC) above 95% of the CO₂ emissions, and roughly 70% of the embodied energy come from cement (see Fig. 1). Since PCC cement clinker has already reduced CO₂ emissions by 40% since 1980, this new efficient engineering option, a blended cement concrete, can result in lower CO₂ emissions with lower production costs and a net energy gain. In fact, the amount of clinker in cement. Effective usage of slag allows us to replace some of the clinker content with ground slag, resulting in a significant environmental benefit (SCM) in portland blended cement. This includes Portland blast-furnace slag (PCC or ASTM C955 Type II), portland slag cement (ASTM C959 Type II) portland-pulverized cement (ASTM C959 Type III) and binary-blended cement (ASTM C959 Type IV).

FIG. 1: The Basics
 PCC is made from the same components as portland cement but contains up to 15% more ground limestone. PCC (Type II) allows for the same setting time and strength development as the portland cement (ASTM C955 Type II) but at a lower cost. Type II cement provides about a 30% reduction in CO₂ emissions from cement plants and reduces the carbon footprint of concrete by up to an additional 10% without impacting performance or durability.

Performance Properties
 When properly optimized, PCC that contains up to 15% limestone can outperform the portland cement concrete.

- Compressive strength (9 Relative Density)
- The safety performance of slag concrete made with Type II cement has been found to be equal or better than the same portland cement concrete (see Table 1) for the slag cement (see Table 1) added as SCM or as part of a Type II blended cement.)
- The Blended Portland of Type II cement is higher than that of Type II. With limestone being a better material than cement clinker, Type II cement is reported to have less Type II by weight than the same strength performance. Limestone helps in improving hydration strength mechanism, allowing cement particles to react faster and potentially accelerating the rate of hydration. Limestone also produces finer particles and increased ratio-volume fraction. The volume fraction of limestone is lower which, in turn, increases the strength of the concrete.

Figure 1 illustrates the effect that the addition of limestone has on the relative density of portland cement concrete. The strength of concrete is dependent on the relative density of the concrete. The addition of 15% limestone to a concrete mix results in a 20% increase in relative density. As limestone addition results in a 20% increase in relative density, the strength of concrete increases as well. The addition of 15% limestone to a concrete mix results in a 20% increase in relative density. As limestone addition results in a 20% increase in relative density, the strength of concrete increases as well. The addition of 15% limestone to a concrete mix results in a 20% increase in relative density. As limestone addition results in a 20% increase in relative density, the strength of concrete increases as well.

Figure 2 shows the early age compressive strength development of PCC and PCC mix with and without SCM. In this example, the addition of 15% limestone to PCC provides a 20% increase in compressive strength at 28 days. The addition of 15% limestone to PCC provides a 20% increase in compressive strength at 28 days. The addition of 15% limestone to PCC provides a 20% increase in compressive strength at 28 days. The addition of 15% limestone to PCC provides a 20% increase in compressive strength at 28 days.

Figure 3 compares the 28-day compressive strength of a single portland cement, portland cement with slag, and PCC with slag. Figure 3 shows that concrete containing limestone, in this case,

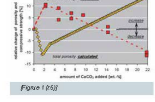


Figure 1: Effect of limestone addition on relative density




Figure 2: Early age compressive strength development of PCC and PCC with 15% limestone




Figure 3: Comparison of 28-day compressive strength of single portland cement, portland cement with slag, and PCC with slag

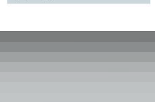


Figure 4: 28-day compressive strength of concrete containing limestone

GU (General Use) can be used interchangeably with the United States (U.S.).

- Portland limestone cement with slag provides higher compressive strength than the portland cement with the same percentage of slag replacement.
- On-site assessment of the durability of a particular concrete mix is performed by a Rapid Chloride Penetration Test (RCPT). This test measures the amount of chloride ions that pass through a concrete specimen. Lower levels of chloride point to a concrete with a higher resistance to chloride ion penetration.

INFORMATION SHEETS

- The information sheets can be accessed at slagcement.org/infosheets
- Is there a topic you're interested in? Let us know!

<p>Info Sheet #1 What is Slag Cement?</p> <p>Slag cement, or ground granulated blast-furnace slag (GGBFS), has been used in concrete projects in the United States for over a century.</p>	<p>Info Sheet #2 Concrete Proportioning</p> <p>Concrete proportioning is the selection of proportions of ingredients to make the most economical use of available materials to produce concrete of the required properties.</p>	<p>Info Sheet #3 Concrete Time of Set</p> <p>Time of set is defined as the point in time at which penetration resistance reaches specified values.</p>
<p>Info Sheet #4 What are Saw Cuts?</p> <p>Saw cuts are a means of cutting joints in concrete.</p>	<p>Info Sheet #5 Producing and Placing Slag Cement Concrete</p> <p>Slag cement must be stored in bins or silos to protect from contamination.</p>	<p>Info Sheet #6 Reducing Permeability</p> <p>Permeability is a measure of how easily water, air or other substances such as chloride ions enter concrete.</p>
<p>Info Sheet #7 Mitigating Sulfate Attack</p> <p>Sulfate attack is a common form of concrete deterioration.</p>	<p>Info Sheet #8 Mitigating the Risk of Alkali Silica Reaction</p> <p>Alkali Silica Reaction (ASR) is a chemical reaction between the alkalis in Portland cement and materials present in aggregates.</p>	<p>Info Sheet #9 Reducing Thermal Stress in Mass Concrete</p> <p>According to ACI 207I, "mass concrete is any large volume of concrete [that] require that measures be taken to cope with the generation of heat and attendant volume change to minimize cracking."</p>
<p>Info Sheet #10 Greening</p> <p>Hardened concrete containing slag cement may show mottled green or blue green areas on the surface in the first few days after placement. This temporary condition is commonly called "greening."</p>	<p>Info Sheet #11 Slag Cement and Fly Ash</p> <p>Slag cement and fly ash are the two most common SCMs used in concrete.</p>	<p>Info Sheet #12 Terminology and Specifications</p> <p>Slag Cement Terminology and Specifications</p>

WEBINARS

- Live webinars with SCA members, research winners, and industry leaders on the use of slag cement.
- Example webinar topics include: Slag Cement's Role in Sustainable Low-Carbon Concrete, The Role of Slag Cement in Creating Sulfate Resistant Concrete, and Avoiding Scaling in Concrete with Slag Cement.
- Webinars are available on-demand on SCA's website (slagcement.org/webinars) and YouTube page.

Upcoming Webinars

Utilization of Supplementary Cementitious Materials for Cementing Enhanced Geothermal Wells

Speaker: Lyn Zemberecki, 2023 SCA Research Winner
Date: June 2024

Past Webinars

Slag Cement's Role in Sustainable Low-Carbon Concrete

Speaker: Shawn Kalyn, B.Eng. LEED AP BD+C, St Marys Cement
Sponsors: St Marys Cement and ACI Greater Michigan Chapter

[Webinar Recording](#)
[Slide Deck](#)

Low-Calcium Slag Cement: A Potential Solution to Promote Circular Economy in the Management of Copper Mine Tailings

Speaker: Arash Nikvar-Hassani, PhD, 2022 SCA Research Winner

[Webinar Recording](#)
[Slide Deck](#)

Insight into Chloride-Induced Corrosion in Cement Pastes Containing Ground Granulated Blast Furnace Slag; The Effect of pH Reduction on Chloride Binding and Desorption Capacity of Cement Pastes

Speaker: Mohammad Teymouri, 2022 SCA Research Winner

[Webinar Recording](#)
[Slide Deck](#)

The Role of Slag Cement in Creating Sulfate Resistant Concrete

Speaker: Keith Maddrey, Argos USA

[Webinar Recording](#)
[Slide Deck](#)



CASE STUDIES

- There are more than 50 case studies on SCA's website that show the diverse applications of slag cement in the built environment.
- Case studies include the project teams, description of the project, awards received, and application type.
- Includes Slag Cement in Sustainable Concrete Award winners from the past 5 years



CASE STUDIES

- Slag Cement case studies are available at slagcement.org/casestudies

Project Team
Owner: Lendlease
Contractor: McHugh Concrete Construction
Architect: Perkins and Will
Engineer: MKA
Concrete: Oremus Material
Slag Cement: Skyway Cement



THE REED AT SOUTHBANK
 Chicago, Illinois

Slag Cement
 In Sustainable Concrete
 Awards Program



2022 WINNER ARCHITECTURAL

The Reed at Southbank is a 43-story cast-in-place concrete structure that required over 30,000 yd³ (23,000 m³) for the first high-rise using low-carbon concrete in Chicago, IL, USA. Oremus Material and Master Builders Solutions collaborated to provide concrete that had great performance, pumpability, and finishability, and also an aesthetic finish for the exposed columns and ceilings.



The use of slag cement aided in the low heat mass placements, improved pumpability, improved sustainability, and achievement of high-strength concrete with aesthetic appeal.

The use of concrete mixtures with low GWP allowed for obtaining 18-hour high-strength concrete for post-tensioning applications necessary for 3-day deck cycles to maintain McHugh Concrete's efficient high-rise schedule.

The Reed at Southbank Presentations:
 Using Green Concrete to Build The Reed at Southbank, Chicago, IL
Presented by Eamonn Connolly, McHugh Concrete Construction

 Using Green Conc...pdf
 Download PDF • 2.85MB 

The Reed at Southbank Low Carbon Considerations
Presented by Reza Nili, Oremus Material

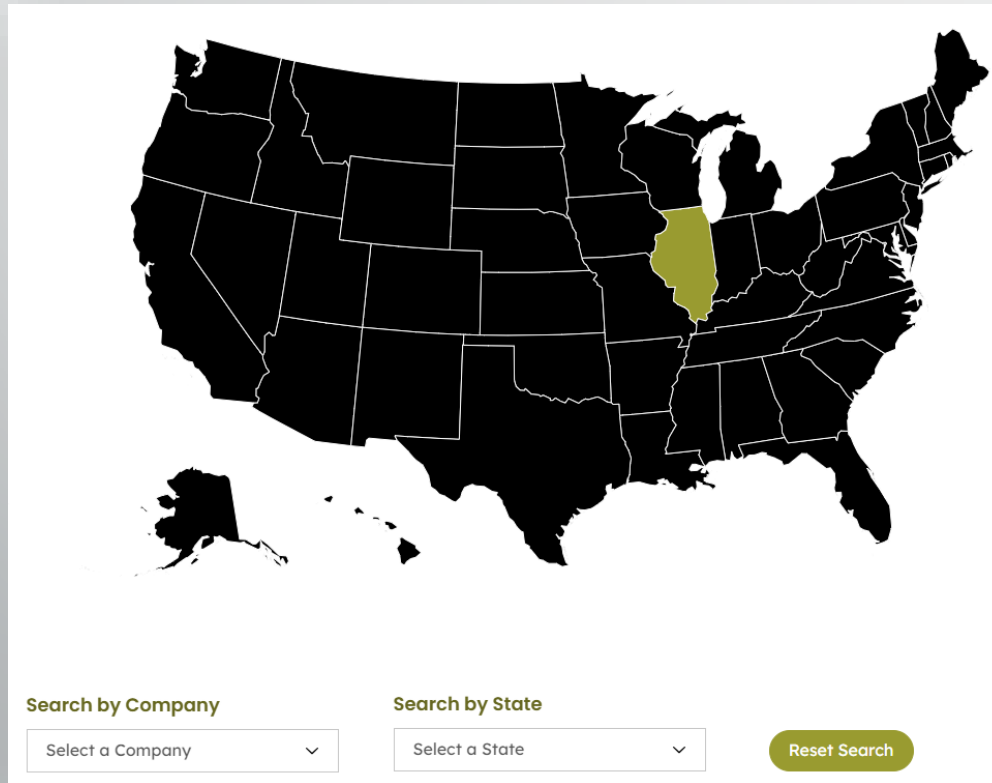
 The Reed at Sout... .pdf
 Download PDF • 3.09MB 

Application Type

% Slag Cement Replacement	20%-50%
% Portland Cement	30%-70%
% Portland Limestone Cement	
% Other SCM (if applicable)	Class F ash (20%)
Aggregate	Crushed Granite
Water/cement ratio	.33-.46
7-day strengths	
28-day strengths	3000 psi - 10000 psi

FIND SLAG CEMENT

- Interested in finding slag cement in your state? SCA's provides an interactive map to find SCA member sales offices/contact information in your region!
- Can search by state or by SCA member.
- Located at slagcement.org/findslagcement

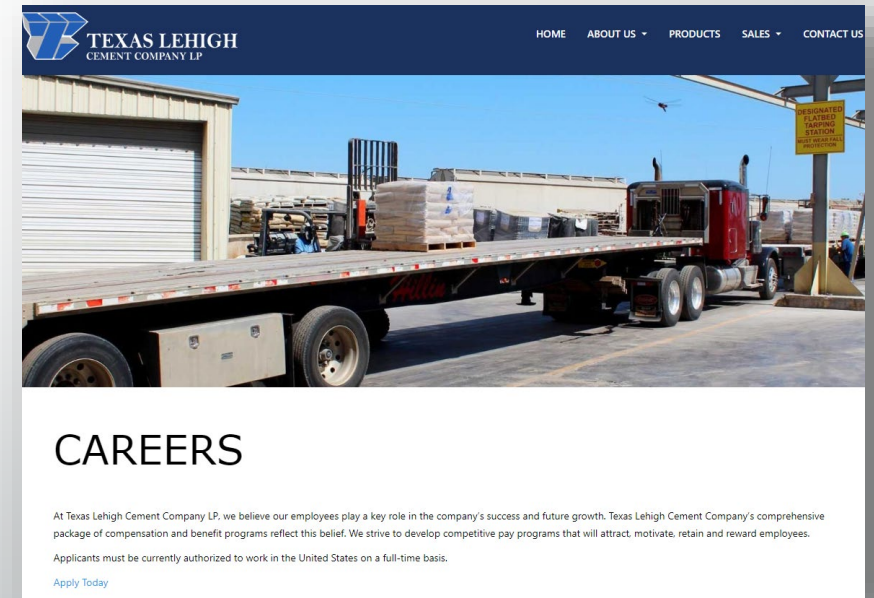


Illinois

Heidelberg Materials Midwest Region - Central/North Central Sales 800-468-6211 tbabyknot@heidelbergmaterials.com	Skyway Cement Company Chicago Metro: Jim Gallagher 708-205-4607 jgallagher@illinoiscement.com
Skyway Cement Company Central & Southern IL: Jaik Rustemeyer 815-541-8348 jrustemeyer@illinoiscement.com	Skyway Cement Company Northern IL: Jake Miller 815-821-2973 jmiller@illinoiscement.com
(Northern) St. Marys Cement LLC. Chicago 708-577-0115 Grace Fitzpatrick@vcimentos.com	(Northern) St. Marys Cement LLC. Dixon 563-343-5909 stevem.vann@vcimentos.com
(Northern) St. Marys Cement LLC. Waukegan 708-577-0115 Grace Fitzpatrick@vcimentos.com	OZINGA CEMENT Ozinga Cement 612-963-7093 herbmoeckel@ozinga.com 979-412-2239 justinsteppe@ozinga.com
Holcim Mid Central Sales 636-524-8442	

MEMBER JOB BOARD

- The Slag Cement Association's member companies are hiring! Explore your career possibilities and join the industry.
- Easy access to SCA members' career and contact webpages.
- Can be accessed at slagcement.org/memberjobs



SUSTAINABILITY RESOURCES

- SCA provides a Life Cycle Assessment (LCA) Calculator
- The LCA calculator allows you to enter custom concrete mixes and then substitute varying amounts of slag cement through a simple dashboard interface. You simply select a preset mix or enter the details of a custom mix and the calculator will allow you to increase or decrease the percentage of slag cement and calculate LCA results in real time.
- A slag cement Product Category Rule (PCR) and Environmental Product Declaration (EPD) are also available on the website. Both available at slagcement.org/epd

 **An Environmental Product Declaration (EPD)**
In accordance with ISO 14025 and ISO 21930

 **SCA**
SLAG CEMENT
ASSOCIATION

About this EPD

This is an industry average cradle-to-gate environmental product declaration for slag cement as produced and distributed by Slag Cement Association members. The life cycle assessment was prepared according to ISO 14025:2006, ISO 21930:2017 (the core PCR) and the NSF product category rules for Slag Cement (subcategory PCR). This environmental product declaration (EPD) is intended for business-to-business audiences.

General Summary

EPD Commissioner and Owner  **Slag Cement Association (SCA)**
38800 Country Club Drive
Farmington Hills, MI 48331
Phone: 847-977-6920
Link (URL): www.slagcement.org
info@slagcement.org

Each SCA member company provided both LCI and meta-data for the 2019/2020 calendar or fiscal year (12 months). SCA members operate more than 30 facilities in the USA and Canada including granulation, grinding and slag cement bulk distribution terminals. SCA members, with the inclusion of their Canadian holdings and affiliates, produce and ship over 95% of the slag cement consumed in the USA and Canada. A complete list of SCA member companies can be found here
<https://www.slagcement.org/home/membercompanies.aspx>

The owner of the declaration is liable for the underlying information and evidence.





SCA NEWS AND EVENTS

SCA NEWS AND UPDATES

- SCA provides industry news and updates on the SCA website.
- Includes award winning slag cement projects, updates from SCA members, new partnerships, and more.
- You can find all SCA news and updates at slagcement.org/news



Nov 3, 2023

SCA MEMBERS WIN DURING 9TH ANNUAL ACI EXCELLENCE IN CONCRETE...

Farmington Hills, Mich., November 7, 2023 - The American Concrete Institute (ACI) announced the winners of the 2023 ACI Excellence in...



Nov 8, 2023

SCA AND NEX COLLABORATE THROUGH MEMORANDUM OF UNDERSTANDING

Farmington Hills, Mich., (Nov. 14, 2023) - The Slag Cement Association (SCA) and NEX, an ACI Center of Excellence for Nonmetallic...



6 days ago

SLAG CEMENT ASSOCIATION WELCOMES CALPORTLAND AS NEW MEMBER

Farmington Hills, Mich., (Apr. 16, 2024) - The Slag Cement Association (SCA) announces the addition of CalPortland as its newest member...



SLAG CEMENT IN SUSTAINABLE CONCRETE AWARDS

- SCA holds the Slag Cement in Sustainable Concrete Awards annually. The awards program honors construction and research projects for their exceptional use of slag cement.
- The awards program is held in conjunction with ACI's spring convention.
- Construction projects are awarded in 6 categories: Architectural, Durability, Infrastructure, High Performance, Innovative Applications, and Lower Carbon Concrete.
- Research winners are awarded the Michael Thomas Research Award and receive a travel stipend to attend ACI's convention and present their research during the awards ceremony.
- Technical & Marketing Committee votes on and selects winning projects at the beginning of the year.



SLAG CEMENT IN SUSTAINABLE CONCRETE AWARDS

- Construction and research project nomination forms are available for the 2024 Slag Cement in Sustainable Concrete Awards.
- Deadline to nominate a project is November 30, 2024.
- Awards ceremony is to be held on Wednesday, April 2, 2025 in Toronto, Ontario, Canada during the ACI Concrete Convention.
- More information available at slagcement.org/awards



INDUSTRY EVENTS

- SCA participates in various local and national conferences and conventions. Including speaking engagements and being an exhibitor.
- A few examples include: World of Concrete, The Precast Show, ACI Concrete Convention, NRMCA's Concrete Works, and Greenbuild.
- These events are identified by SCA's Technical & Marketing Committee.



SCA PROGRAMS

SLAG CEMENT UNIVERSITY

- Slag Cement University is a central source of educational resources on slag cement use in concrete construction for university professors and students. Professors can easily incorporate the content of Slag Cement University into existing construction management course material.
- Content was curated and developed by SCA members and staff to provide an overview of the applications, uses, and benefits of slag cement use. Content includes syllabus, slide decks, and pre-recorded presentations.
- Slag Cement University is available at slagcement.org/university



SLAG CEMENT UNIVERSITY



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Content was curated and developed by SCA members and staff to provide an overview of the applications, uses, and benefits of slag cement use. Content includes syllabus, exam questions, slide decks, and pre-recorded presentations on various topics.

If you are looking for additional handouts, information, or resources, please reach out to SCA Director of Marketing, Nick Brimley at Nick.Brimley@slagcement.org.



Technical Sheets Webinars Case Studies Exams



Learn more at: slagcement.org/university

SLAG CEMENT UNIVERSITY

- SCA members and staff developed 80-question exam provides a testing method for universities incorporating slag cement university materials into their curriculum. The exam set includes:
 - Online exam option
 - 80 question exam (download)
 - Flashcards
 - Exam answer key
 - Exam syllabus



17 → Slag cement ____ concrete permeability.*

A Increases

B Reduces

C Preserves

D Eliminates

SCA PROMOTIONAL PARTNERSHIP

- The Slag Cement Association developed a Promotional Partner program at the end of 2023.
- The Promotional Partner program was developed as a way for non-slag cement producers/suppliers to support SCA's mission and to grow/improve its offerings.
- Information on SCA's Promotional Partnership program can be found at slagcement.org/partners



Event Partner

Become a partner of SCA's annual events, including Slag Cement School and the Slag Cement in Sustainable Concrete Awards.



Education Partner

Become a partner of SCA's educational programs, including Slag Cement University, instructional videos, and webinars.

SCA PROMOTIONAL PARTNERSHIP

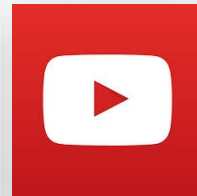
- Promotional Partnership includes Event, Educational, or À La Carte options.
- Benefits include an article in SCA’s newsletters, logo representation on SCA’s website, speaking opportunities, input on Slag Cement University features, and more.
- The program is new – so please send us your feedback!

Benefits	Event Partner (\$3000)	Education Partner (\$2000)	À La Carte Options (\$500/ea)
(500 Word) Partner Article in SCA Monthly Newsletter	✓	✓	✓
Logo Included on SCA Website	✓	✓	✓
(1) Free Ticket for Slag Cement School	✓		
Speaking Opportunity at Slag Cement School	✓		
Access to Slag Cement School Attendee List	✓		
Logo included in SCA Awards Ceremony	✓		✓
Input on Slag Cement University Features		✓	
Access to Slag Cement University Contact List		✓	
Access to SCA Webinar Attendee List		✓	
Logo included Before SCA Webinars		✓	✓

For additional partnership opportunities, please contact Nick Brimley at Nick.Brimley@slagcement.org

NEWSLETTER AND SOCIAL MEDIA

- SCA has a monthly newsletter that provides information on slag cement, updates from our membership, upcoming SCA events, and additional resources to readers.
- Subscribe to SCA's newsletter at slagcement.org
- SCA is also on social media – follow us on Facebook, Twitter, LinkedIn, and YouTube!



The newsletter cover features the SCA logo and website at the top, followed by the tagline 'Committed to a greener future.' and a city skyline illustration. The main content area is a collage with a green bokeh background, including a 'Project of the Year' award card and four circular images of various construction projects. The title '2023 Slag Cement in Sustainable Concrete Award Winners' is prominently displayed at the bottom, along with a paragraph of text.

SCA
SLAG CEMENT
ASSOCIATION
slagcement.org

Committed to a greener future.

Project of the Year

Honoring the exceptional use of slag cement in concrete construction after 2020.

Slag Cement
An International Concrete Association Program

2023 Slag Cement in Sustainable Concrete Award Winners

The Slag Cement Association (SCA) is proud to announce the winners of its **2023 Slag Cement in Sustainable Concrete Awards**. The winning projects were unveiled and celebrated on March 27, 2024, during the spring **ACI Concrete Convention** in New Orleans, Louisiana.

QUESTIONS?

FEEDBACK?

Nick.Brimley@slagcement.org