

The Masonry Society

Sustainability E-News

Focus on Building Products

August 31, 2022

Volume 14, Number 16

SPONSORED EDITION

From The Editor

August means back to school for many people, even if it's just a memory for you. But you're never too old to learn! Beginning with the TMS [Annual Meeting](#) in October, and continuing with the latest [Night School](#) throughout the fall, TMS provides many opportunities for high-quality continuing education (CEUs). In addition, the TMS [Masonry Education Hub](#) offers on-demand education at your convenience. All TMS courses are taught by industry experts and are a great way to increase your knowledge of masonry. Check them out today!

Christine "Tina" Subasic, PE, LEED AP, FTMS
CSubasicPE@gmail.com

NOTE: Inclusion in this newsletter is not an endorsement of the products and materials featured, nor have these products been evaluated by TMS or the editor. Furthermore, the views expressed in the articles featured are those of the article authors.

GREEN BUILDING NEWS

New law supports low-carbon building codes, EPDs

CONCRETE PRODUCTS

The Inflation Reduction Act includes \$1 billion to support adoption of local standards or amendments that meet or exceed the requirements of the 2021 International Energy Conservation Code or zero-energy building codes and \$4.2 billion to incentivize use of low-carbon materials in projects receiving financing through the Transportation Department, Federal Emergency Management Agency, and General Services Administration. The law also includes \$250 million to help the Environmental Protection Agency develop and standardize environmental product declarations for construction materials through grants and technical assistance to manufacturers. [Read more.](#)

CODES and STANDARDS NEWS

The US Green Building Council (USGBC) periodically updates the LEED Credit Library. You can read about the changes in the links below. Also worth noting is the closing of 2 Pilot Credits: MRpc109 Building Material Human Hazard & Exposure Assessment and MRpc63 Whole Building Life Cycle Assessment. These credits can no longer be pursued. It remains to be seen if they will take on a new form in the future. ~Tina

LEED Addenda published

BUILDING GREEN

Popular pilot credits are moving! With the July 2022 addenda release, several pilot credits are moving to the Innovation Catalogue including the Bird Collision Deterrence credit. Other changes include: updates to documentation in [MRpc131 Circular Products](#); updated product and material categories in [MRpc132 Procurement](#)

TMS's Sustainability E-Newsletter Sponsors

Platinum Level



Concrete Masonry
Association of California &
Nevada ***



International Masonry
Institute***



Mason Contractors
Association of America **

Western
States Clay
Products

[of Low Carbon Construction Materials](#); and updated thresholds in [SSpc154 Heat Island Mitigation with Cool Walls](#) Read about these and other addenda [here](#).

GREEN PRODUCT NEWS

As readers of this newsletter know, there is a lot of research underway to lower the energy used (also known as embodied carbon) in producing building products, and it's a good thing too, given that more and more companies are pledging to use lower or zero-energy products. ~Tina

How to grow concrete, and other bio hacks

ARCHITECT MAGAZINE

Increasing awareness of the high-embodied energy of many building materials is motivating designers and manufacturers to explore the inclusion of low-carbon, bio-based ingredients in new products. Energy-intensive materials like concrete, steel, and aluminum make up a significant proportion of buildings. Together, these three materials alone comprise nearly a quarter of all global carbon emissions, and they are used primarily within the built environment. Designers are therefore experimenting with the utilization of less-intensive organic feedstocks in both mineral- and bio-based building products. Read [the article](#).

Waste byproducts used to create bricks that can be laid without mortar

NEW ATLAS

Researchers at Flinders University Australia have used sulfur and different ratios of canola oil and dicyclopentadiene to create a polymer that can be heated, molded, and cured into bricks that rely on an amine catalyst to stick to other bricks. The sulfur and DCPD are petroleum refining byproducts and the oil is sourced from cooking waste to create an industrial process that is less energy-intensive than traditional cement manufacturing. [Read more](#).

UK team to make industrial-scale zero-emission clinker

THE CHEMICAL ENGINEER

Researchers in the UK have received governmental funding to develop an industrial-scale zero-emission cement clinker using electric arc furnaces, which produce steel from recycled scrap metal and lime. The goal is to use the recovered cementitious matrix from recycled concrete as the electric arc furnace flux instead of lime. Learn more [here](#).

Holcim lays claim to world's first 100% recycled clinker

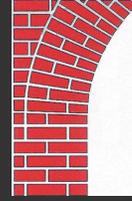
WORLD CEMENT MAGAZINE ONLINE

[Holcim says](#) its plant in Altkirch, France, has produced the world's first clinker composed entirely of recycled minerals. The company envisions the 100% recycled clinker will be used to make the first 100% recycled cement, and that cement will be used to produce the first 100% recycled concrete.

17 major concrete-consuming businesses pledge to use 100% net-zero concrete by 2050

WORLD BUSINESS COUNCIL FOR SUSTAINABLE DEVELOPMENT (WBCSD)

In partnership with WBCSD and the World Green Building Council, Climate Group [launched ConcreteZero](#), a new initiative that sets a goal of 100% sourcing of net zero concrete by 2050. The initiative has already gathered 17 pioneering businesses that have taken commitments.



Association

Gold Level



Masonry
Institute
of America



Southeast Concrete Masonry
Association **

Silver Level



Spec Mix

Bronze Level



ACME Brick ***



Cast Stone Institute ***



Nelson Testing
Laboratories **



North Carolina Masonry
Contractors Association **

EDUCATIONAL NEWS

Lots of educational opportunities available this fall! ~Tina

TMS Annual Meeting Registration Opens!

THE MASONRY SOCIETY

Join us in the Mile High City, Denver, Colorado, for TMS's 2022 [Annual Meeting](#)! The meeting will be held October 12-15 and will include a dozen excellent educational presentations and other opportunities to learn about masonry. Interact with your masonry colleagues and make new friends at committee meetings, educational sessions, plus several enjoyable social events. The inaugural meeting of the 2028 TMS 402/602 subcommittees will also be held. Please be advised that the hotel room cutoff date is Sept. 11th.

Building Innovation Conference

NATIONAL INSTITUTE OF BUILDING SCIENCES (NIBS)

Join NIBS in Washington, D.C. September 26-28 as experts tackle important topics within the built environment: resilience, technology and building performance, & sustainability. Space is limited. For registration and program information visit <https://www.buildinginovation.org/>.

2022 Fall Night School - The New TMS 402/602-22: Review of the new standards and changes made

THE MASONRY SOCIETY

During this 5-part Night School webinar series, masonry experts and Code committee leaders will review the new standards, *TMS 402/602-22 Building Code Requirements and Specification for Masonry Structures*, and significant changes made since the 2016 edition. The series begins on October 19. Those attending all 5 sessions will receive a 10% discount on the new Standards. Information on this series is available [here](#).

To Subscribe, click [here](#).

To Sponsor, click [here](#).



Advancing the Knowledge of Masonry
www.masonrysociety.org

Please note: Your email address is from a list solely owned and maintained by The Masonry Society (TMS) for our exclusive email purposes. If you are a TMS Member, participate in a TMS Committee, or have requested TMS mailings, your email is essential to your membership, committee participation (including virtual meeting announcements and ballots), delivery of various TMS e-publications, and meeting/seminar announcements. Unsubscribing through our email sender, Constant Contact, will block all emails from TMS. If you would like to specify what type of emails you would like to receive from TMS, have questions about our email policy, or would like to subscribe to our newsletters, please contact TMS directly at info@masonrysociety.org. To view the TMS Privacy Policy, click [here](#).



Northwest Concrete Masonry Association *



Pennsylvania Concrete Masonry Association ***



Masonry Institute of Washington*

TMS Sustainability E-Newsletter Sponsors

Click on the links above to learn more about each of these organizations who have graciously sponsored this E-Newsletter. The Sponsors designated with an asterisk (*) are also TMS Members at the following levels:

- *** Sustaining Member
- ** Affiliate Member
- * Individual Member

Interested in becoming a Newsletter Sponsor?

Contact [TMS](#) for more information on becoming a Sustainability E-Newsletter Sponsor and having your organization's logo appear before thousands of subscribers.