

**Concrete Promotion Council of the Ozarks
Presents
Internal Curing for Improving Concrete Durability
And Lightweight Aggregate for Sustainability
Speaker
John T. Kevern, PhD, PE, FACI, LEED AP
University of Missouri-Kansas City
Sponsored by BuildexHaydite
August 11, 2021
11:30 am
SCA
1313 N Nias Ave, Springfield, MO 65802**

When we look back on this era of concrete technology, internal curing will be considered one of the most revolutionary techniques for improving concrete properties. Rarely is a single technique able to provide as many benefits and especially at the cost point for internal curing. This is an overview of the mechanisms of action for internal curing with a discussion of improvements to strength, reduction in shrinkage, and ability to improve durability when incorporating lightweight aggregates. We will discuss appropriate applications, mix designs for internal curing, and pros and cons of various available materials.

We will also review how concrete contributes sustainable and critical infrastructure resilience with a specific focus on the contributions provided by lightweight aggregate. A variety of topics will be discussed including how lightweight aggregates used in concrete specifically improve durability, insulating properties, fire resistance, and even slip and fall performance. We will also discuss how concrete contributes to and can help mitigate a number of regional issues such as urban flooding and the urban heat island.

At the end of this webinar attendees will have a better understanding of how internal curing using lightweight aggregate can be used to create a more resilient infrastructure and where to find more information for design and specification.

Continuing Education Credits: 1 PDH

CPCOZ Members No Charge

Non-member \$20

To register contact Amy Allen at info@cpcoz.com or 417-865-8282

