

THE CONSTRUCTION RESOURCE

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THE YEAR IN
CONSTRUCTION**

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New CEU Course Spotlights Concrete Durability and Sustainability

The sustainability of concrete structures is inextricably linked to its durability. Simply put, improving durability extends an asset's service life, increases sustainability and decreases environmental impact.

There are a number of factors that affect the sustainability of concrete as well as a number of steps that can be taken to increase its durability and extend service life.

A new continuing education course called "Improving Concrete Durability with Crystalline Technology" steps through today's best practices for designing and constructing durable and sustainable concrete systems. Available from BNP Media and sponsored by Xypex Chemical Corp., the course focuses on ways to develop and deliver inherently waterproof and more sustainable concrete systems.

The course examines some of the main causes of concrete deterioration and the methods that can be employed to enhance its performance, with a special focus on using crystalline waterproofing technology to increase durability.

The use of chemical admixtures in the concrete mix can help change the nature of the concrete and overcome some of its limitations, particularly deterioration from water or chemical intrusion. For specific admixtures, the use of crystalline technology has been proven effective in waterproofing concrete and providing resistance to chemicals, extreme temperatures and other conditions. Engineers who

recognize the causes of concrete deterioration along with the best options to overcome them can create resistive concrete components that are more durable and more sustainable in the long run.

The "Improving Concrete Durability

with Crystalline Technology" course is available at <https://continuingeducation.bnppmedia.com>. The course qualifies for 1 AIA LU/HSW credit and 0.1 ACET CEU and may also qualify for Professional Development Hours. ♦



Crystalline waterproofing can increase concrete durability and decrease environmental impact.

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The World Standard in Concrete Waterproofing by Crystallization

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Concrete
(Untreated)



Xypex Crystallization
(Initiated)



Xypex Crystallization
(Mature)

XYPEX integral crystalline technology waterproofs concrete foundation structures as they're poured and cannot be damaged during installation or backfilling. Unlike membranes, Xypex is added to the concrete at the time of batching avoiding application errors. This sustainable technology also contributes to LEED credits.

When you select Xypex Crystalline Technology, you've chosen the best... more than 40 years of independent testing, experience in over 90 countries, unmatched product and service standards... *and still no equal.*

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