



## ACI SHOTCRETE INSPECTOR CERTIFICATION UPDATE

ACI C661 – Shotcrete Inspector Certification, the certification committee overseeing the shotcrete inspector certification program, approved two changes to the policy proposed at ACI’s Spring Committee meetings this past April in San Francisco, CA. First, the performance exam component of the ACI Concrete Field Testing Technician – Grade I certification has been withdrawn. Only the written exam is now required and may be completed at any of the following: at your local ACI Chapter, at a Prometric testing center, or via a Prometric remotely proctored exam. This, in combination with the ACI Shotcrete Inspector Certification written exam, if taken within a one-year time period, completes the requirements for the ACI Associate Shotcrete Inspector Certification. Secondly, the time duration for the ACI shotcrete inspector certification written exam has been extended from 90 minutes to 120 minutes for completion.

The third component required for the ACI Shotcrete Inspector Certification, i.e., three years of satisfactory shotcrete work experience, may be submitted at any time within the five years of your Associate Shotcrete Inspector Certification to be upgraded to Shotcrete Inspector status. ASA’s “Recognizing Quality Shotcrete” aka “Quality Shotcrete – Know It When You See It” seminar is an approved educational offering that provides a 12-month credit towards the inspector work experience requirement. ASA has been working with the ACI SoCal & MidWest Resource Centers to offer the ASA Quality Shotcrete seminar followed by the opportunity to take the ACI Shotcrete Inspector Certification written exam. Further details may be found on calendars from [www.concrete.org](http://www.concrete.org) or [www.shotcrete.org](http://www.shotcrete.org).



## BUILDING OFFICIALS CERTIFICATION DOCUMENT

Certification Staff have been working closely with the ACI Codes and Standards Advocacy and Outreach (CSAO) staff to assist in drafting this FREE document that summarizes where and how ACI certifications are required in commonly-used industry documents. Get your free copy through the link below and provide this link to others!

Link to: [concrete.org/store/productdetail.aspx?itemID=BOPD](http://concrete.org/store/productdetail.aspx?itemID=BOPD)



## ASCC’S POSITION STATEMENT #46: “WATER-CEMENTITIOUS MATERIAL RATIO FOR CONCRETE TO RECEIVE A TROWEL FINISH.”

The American Society of Concrete Contractors (ASCC), St. Louis, MO, USA has published its forty-sixth Position

Statement, “Water-Cementitious Material Ratio for Concrete to Receive a Trowel Finish.” ASCC Position Statements clarify the concrete contractors’ point of view for architects, engineers, owners, and others.



Position Statement #46 explains that the ACI 318-19 Building Code requires a maximum water-cementitious material ratio (w/cm) in accordance with the severity of the anticipated exposure of members, and varies from N/A to 0.55, 0.50, 0.45, and 0.40. Many specifications, however, require a maximum w/cm for interior concrete, often as low as 0.40, which is undesirable for the surface finish.

ACI 302.2 R-06, “Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials,” recommends a w/cm of 0.50 as the best compromise between drying rate and finishing performance. ACI 302.1R-15 “Guide to Floor and Slab Construction” states that specifying a maximum w/cm for concrete workability is not useful, and further recommends a w/cm in the range of 0.47 to 0.55 for concrete floors to receive a trowel finish.

It concludes with the recommendation that concrete contractors should encourage specifiers to consider ACI 302.1R-15 and ACI 302.2R-06 for w/cm for concrete to receive a trowel finish.

The PS #46 includes additional references from ACI, as well as the National Ready Mixed Concrete Association (NRMCA) and ASTM International. To read PS #46, visit [asconline.org/Technical/Position-Statements](http://asconline.org/Technical/Position-Statements).



## BEKAERT OBTAINS SBTI VALIDATION FOR THE GROUP’S CARBON REDUCTION TARGETS

Bekaert announced that its near-term and long-term greenhouse gas emissions reduction targets have been validated by the Science Based Targets initiative (SBTi). The SBTi defines and promotes best practices in science-based target setting and independently assesses companies’ targets.

Bekaert has committed to actions to align emissions reduction targets to the 1.5-degree target of the Paris agreement. As part of an overall commitment to become Carbon Net Zero by 2050, the company has set ambitious targets for its value chain, covering Scope 1, Scope 2, and Scope 3 emissions, including reducing greenhouse gas emissions, enhancing the energy efficiency of its operations, and increasing the proportion of its renewable energy supply.

“As the world is transitioning to a zero-carbon economy, it is the responsibility of industrial companies like Bekaert to lead the way in decarbonization actions, in boosting

innovation, and in driving smart, safe and sustainable solutions in the end-markets,” says Oswald Schmid, CEO of Bekaert.

To reach its objectives, Bekaert will engage with suppliers and customers to commit to carbon reduction targets and to measures based on circular principles across the value chain.

To learn more, visit [bekaert.com/en/sustainability](https://bekaert.com/en/sustainability).

## Bekaert

### BEKAERT RECEIVES 2022 EXCELLENCE IN ECONOMIC OUTCOMES AWARD

Bekaert, along with its project partners including Acciona Samsung Bouygues Joint Venture, received the 2022 Excellence in Economic Outcomes Award from the Australian Infrastructure Sustainability Council (ISC) for the M4-M5 Link Tunnels in Sydney, Australia. This project was also the recipient of the American Shotcrete Association’s Outstanding International Project of the Year in 2021.

The world’s first shotcrete application tunnel lining was constructed using Bekaert’s high performance Dramix® 4D65/35 steel fibers within the shotcrete mix. Bekaert was heavily involved in the original value proposition which drastically reduced the required materials, costs, time, and embodied carbon of the project. This lowered the overall cost by some AUD\$ 11,000,000.

Congratulations to all the partners who made this project a real success.

To learn more, visit [bekaert.com/en/sustainability](https://bekaert.com/en/sustainability).

### ASA MEMBERS WIN ENR MIDWEST BEST PROJECT AWARDS

On August 22, 2023, ENR Midwest announced its 2023 Best Project Awardees. According to their press release, the judging of 63 submittals led to 19 awards for “projects that represent outstanding quality of work, spurred innovative ideas, and overcame intriguing challenges.”

Of these awardees, two are ASA members:

Bulley & Andrews won the Award of Merit in the Renovation/Restoration category for their project, The Belden-Stratford, in Chicago, IL, USA.

Geostabilization International (GSI) won Best Project in the Residential/Hospitality category for their project, Riverview Drive Retaining Wall Stabilization, in Alton, IL, USA.

Congratulations to Bulley & Andrews and GSI for their hard work in earning these awards!



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