

Hard-Cem® for Specifiers



# Meet Your Durability & Sustainability Goals with Hard-Cem

A concrete admixture for abrasion and erosion resistance that improves the **durability, sustainability, and wear life** of concrete.

Hard-Cem® is a trusted concrete admixture that replaces conventional wear layers like dry shakes or liquid densifiers to deliver unmatched abrasion and erosion resistance.

Significantly reduce replacement and repair requirements and more than double concrete's wear life, effectively lowering the structure's embodied carbon footprint over its lifetime. By including Hard-Cem in your concrete mix designs, you can deliver long-lasting, abrasion and erosion-resistant concrete to your clients – while also meeting your sustainability commitments.



## Longer Concrete Life

Hard-Cem provides unmatched durability, particularly abrasion and erosion resistance, resulting in concrete that lasts decades longer than regular concrete – saving you additional costs and carbon emissions in the long term.



## Lower Embodied Carbon

Hard-Cem significantly lowers the carbon emissions of concrete by using less cement to achieve the same durability as high-strength concrete. Plus, since it improves the durability and longevity of concrete, it also reduces the need for carbon-intensive and costly repairs and maintenance.



## Achieve Sustainability Certifications

Hard-Cem contributes to the requirement for up to seven categories of LEED points as well as numerous Envision and STARS credits.

## A Trusted Concrete Solution Since 2003

- 20 years of proven performance
- 20-year durability warranty
- Added to over 100 million ft<sup>2</sup> of concrete
- Published in *ACI E701-E4* Chemical Admixtures
- Up to 25% fewer CO<sub>2</sub> emissions than typical high-strength concrete mixes

<sup>1</sup> Limited 20-Year Product Warranty. See website for details.

# For Every Project that Values Durability + Sustainability

Hard-Cem® is a tested and proven solution effective with cast-in-place, precast, and shotcrete in horizontal, vertical, or inclined placements.



## How It Works



Hard-Cem uses a unique metal-mineral microstructure that is mixed integrally into concrete, simplifying the application process, reducing project costs associated with additional floor treatments or special finishing on the construction site, and increasing earning opportunities for producers.



It fortifies existing cement paste in the mix to increase the concrete's resistance to abrasive and erosive forces and eliminates the risks associated with conventional hardeners or densifiers (e.g., delamination, curling, cracking).



It significantly reduces replacement and repair requirements and more than doubles the concrete's wear life, effectively lowering the structure's embodied carbon footprint over its lifetime.



## Deliver More Durable, Profitable Concrete Today

Scan QR Code to find a distributor near you or learn more.



SMART CONCRETE®