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

#### Hard-Cem<sup>®</sup> 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<sup>®</sup> 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.

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

**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.

- 20-year durability warranty
- Added to over 100 million ft<sup>2</sup> of concrete
- Published in ACI E701-E3 Chemical Admixtures
- Published in the revision of ACI 212 3.R
- Up to 25% fewer CO<sub>2</sub> emissions than typical high-strength concrete mixes





### For Every Project that Values Durability + Sustainability

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



#### **How It Works**



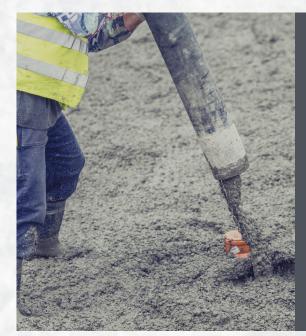
Hard-Cem uses a unique metal-mineral microstructure that is mixed integrally into concrete, simplifying the application process, reducing project costs associated with additional floor treatments or special finishing on the construction site, and increasing earning opportunities for producers.



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.



