

Sustainable concrete solutions for long-term performance

Low-carbon, durable waterproofing in line with COP26 climate goals



At Smart Sealed, sustainability is central to our work. Concrete significantly contributes to CO₂ emissions, and through our partnership with Kryton, we offer effective, eco-friendly solutions aligned with COP26 goals.

Kryton's crystalline technology ensures durable waterproofing and extends the life of concrete structures, reducing environmental impact, maintenance needs, and overall life cycle costs. We've proudly promoted these solutions in the Balkans and Eastern Europe for over a decade.

Direct impact



Kryton's KIM delivers proven, sustainable benefits for durable, eco-friendly concrete:

Third-Party Verified Sustainability

KIM has an Environmental
Product Declaration (EPD)
independently verified

Supports Low-Carbon Concrete Mixes

KIM enables reduction in cement content by
enhancing concrete durability with supplementary
cementitious materials, supporting lower-carbon
mix designs (EPD)

Zero VOCs & Safer Indoor Air

By replacing surface membranes
and sealers, KIM eliminates VOC
emissions, improving
worker safety and indoor air quality

End-of-Life Advantage

Concrete containing KIM is reducing
construction and demolition waste.
(EPD)

Proven in Harsh Conditions, including Marine conditions

A long-term independent study in Hawaii
confirmed KIM's outstanding performance in tidal
marine exposure. (EPD and independent report)

Certified for Drinking Water Applications

KIM is certified to NSF/ANSI Standard
61, making it safe for use in potable
water infrastructure. (EPD)

Concrete sustainability through innovation

Reducing carbon, waste, and risk while supporting green building standards



Lowering Lifetime Carbon Footprint

- Improve the durability and longevity of concrete, reducing the need for carbon-intensive and costly repairs and maintenance
- Use less cement to achieve the same durability as high-strength concrete with Hard-Cem
- Postpone demolition and the associated release of carbon by decades since Kryton products can more than double the longevity of concrete
- Hard-Cem contributes to the requirement for up to seven categories of LEED points and Envision and STARS credits



Reducing Construction Waste

- Eliminate need for toxic surface products like dry shakes and liquid densifiers
- Concrete remains recyclable
- Admixtures are packaged in pulpable bags



Ensuring Worker Health & Safety

- Eliminate toxic chemicals to protect construction workers and surrounding habitat



Supporting Community

- We work with industry associations and educational institutions to present the benefits of the green behaviour

More over

By using the Smart Sealed solutions, based on Kryton's technology, we estimate your contribution to the health of the nature by the LEED points across the following categories:



LEED (Leadership in Energy and Environmental Design) is the world's most widely used green building rating system. Projects earn LEED points by incorporating sustainable practices and materials that improve energy efficiency, reduce carbon footprint, and protect natural resources. The more points a project earns, the higher the LEED certification level – from Certified to Platinum – demonstrating its environmental performance.

Site Development: Protect or Restore Habitat	up to 2 points
Heat Island Reduction	up to 2 points
Rainwater Management	up to 3 points
Building Life Cycle Impact	up to 3 points
Low-Emitting Materials	up to 2 points
Construction and Demolition Waste Management	up to 3 points
Construction Indoor Air Quality Management Plan	up to 1 point
Indoor Air Quality Assessment	up to 2 points
Innovation and Design	up to 5 points

We can certify your contribution in sustainability. Ask your Smart Sealed Project Account for more information.